

Camille Anna-Lisa Leblanc
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Nationality: French

Languages: French (native), English (fluent), Icelandic (B1)

Research interests: evolution- ecology- development interactions, behavioral ecology of fishes, biodiversity and conservation, fish movement

Member of BIODICE: [Promoting greater awareness and understanding of biodiversity in Iceland](#)

Bibliometrics (12.03.2026): 29 peer-reviewed publications; **h-index:** 14, **total citations:** 576; **Publication list** p.6

Google scholar: <https://scholar.google.com/citations?user=6EHjsRUAAAAJ&hl=en>

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Icelandic Research profile: <https://iris.landsbokasafn.is/en/persons/camille-anna-lisa-leblanc/similar/>

ACADEMIC POSITIONS AND EDUCATION

Hólar University, Iceland Full professor in Ecology and Evolution, Head of department of Aquaculture and Fish biology	2024 - current 2023-2025
Hólar University, Iceland Associate professor, and Project leader,	2020 - 2023
<i>Sabbatical stay at Wageningen University and Research WUR, Research Behavioural Ecology group WUR, Visiting Pr. Marc Naguib, chair of the Behavioral Ecology research group.</i>	September 2021 – May 2022
Hólar University, Iceland Assistant professor, Lecturer, and Project leader. "The importance of egg size for phenotypic variation and divergence in wild populations". Self-funded in 2015-2016 from a Research project Grant funded by RANNIS to PI: Camille Leblanc Hired for a permanent position from 01-01-2017.	2015 -2020
Hólar University, Iceland (2) Post- doctorate. "The importance of ecology, phenotype and genetic structure for biological diversity in Icelandic cave charr". Principal Investigator: Pr. Skúli Skúlason. Employer: Hólar University, funded by RANNÍS.	2012 -2015
Gap in research - parental leave	Dec 2013-May 2014
Hólar University, 2 months (1) Post-doctorate. "Diet specialization and behaviour in small benthic Arctic charr". Principal Investigator: Dr. Bjarni K. Kristjánsson. Employer: Hólar University.	2011
University of Iceland (Reykjavik, Iceland) / Oregon State University (Oregon, USA), joint degree Ph.D. in Biology / Fisheries and Wildlife "The Importance of Egg size for the Diversity of Salmonids".	2007-2011
Ecole Normal Supérieure/ INAPG (Paris, France) M.Sc. in Ecology, Evolution and Animal behaviour. "Maternal effects on foraging behaviour of Arctic charr (<i>Salvelinus alpinus</i>): implications for aquaculture and ecology."	2004-2006

Université de Bretagne Occidentale, (Brest, France) B.Sc. with honors Biology and Marine biology. Third year of the B.Sc. in Marine biology with toxicology option	2003-2004
National Institute of Techniques and Sciences of the sea, INTECHMER (Cherbourg, France) First and second year of B.Sc. "Biological engineering and Aquaculture"	2001-2003
RESEARCH ASSISTANT	
Oregon State University / Pacific Ocean Shelf Tracking (POST project) "Migration, Physiology and Behavior of steelhead trout in Oregon".	2008-2010
Principal Investigators: Pr. David L.G. Noakes and Pr. Carl B. Schreck. Employer: Pacific Ocean System Tracking	
Hólar University – 4 months 2007	
"Phenotypic plasticity in small benthic Arctic charr (<i>Salvelinus alpinus</i>)". Principal investigator: Dr. Bjarni K. Kristjánsson. Employer: Hólar University.	
University Pierre et Marie Curie, Paris IV "Modeling of hidden-lek in kittiwakes" Principal investigator: Pr. Etienne Danchin. Employer: University Pierre et Marie Curie, Paris, FRANCE	2003-2004

AWARD

Early career scientist award - <i>The Biology Society of Iceland – Reykjavik, October 2023</i>	2023-2024
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OTHER TRAINING and nominations

-Statistical course "Introduction to GLMMs and GAMs", Transmitting Science. 5-days course	2019
- FELASA accredited EU Function ABD, Laboratory Animal Science Course Biomedical Center, University of Iceland and the two departments 'Animal and Veterinary Sciences' and 'Experimental Medicine' at the University of Copenhagen	2016
Fellow of the Linnean Society of London	2011
Fellow of the Leifur Eiriksson Foundation	2011

RESEARCH FUNDING

FUNDING as a main applicant or project leader

Faroes Research Fund, Research Grant, <u>Scientific Project Leader</u>, 135.000 €	2022-2025
<i>"Temporal changes in feeding ecology and life histories of Arctic charr and Brown trout in Faroese lakes"</i>	
Icelandic research Fund RANNÍS, Equipment Grant, (# 181557-0031) <u>Project Leader</u>: 42.400 €	2018
<i>"Centre for Animal Behaviour"</i>	
AVS research fund: "Egg quality and growth in selected Arctic charr" <u>Project Leader</u>: 8.400 €.	2017
Icelandic research Fund RANNÍS, Project Grant, (# 162893-051) <u>Project Leader</u>: 320.000 €.	2016-2018
Icelandic Research Fund RANNÍS, Project Grant (#141360-051), <u>Project Leader</u>: 195.000 €.	2014-2016
Landsvirkjun Energy Research Fund, <u>Project leader</u>: 4.000 €.	2013
Leifur Eiriksson scholarship: 18000 €. Stipend for PhD study done in USA and Iceland	2010-2011
Scholarship University of Iceland/Eimskip: 26.000 €. Stipend for PhD study	2009-2011
Icelandic Research Fund for Graduate Students, RANNÍS: 13.000 €. Fellowship for PhD study	2007-2009
Summer fellowship awarded by the Icelandic Student Innovation Fund, RANNÍS , 3 months 360.000 ISK.	2006
Mobility grant from European Union program LEONARDO – MOVE. Total amount: 250.000 ISK.	2006

FUNDING as a co-applicant

Leverhulme Trust, Research project grant, pre proposal, ORPG-15541): PI: Dr. Kevin Parsons	2026
<i>Adaptative divergence as a product of the developmental environment. 434.691 British pounds</i>	
Icelandic research Fund RANNÍS, Project Grant, co-applicant, (#228698-051), PI: Stefán Óli Steingrímsson	2022- 2024
<i>Territoriality, foraging and social organization in stream salmonids: Repeatability and plasticity,</i>	
Icelandic research Fund RANNÍS, Project Grant, co-applicant (#228720-051), PI: Skúli Skúlason:	2022- 2024
<i>Determinants of spatio-temporal variability of life history traits in small populations,</i>	
Icelandic research Fund RANNÍS, Research grant, (# 19) co-applicant:	2019-2022
<i>Evolution of cognition: a study of sympatric morphs of Arctic charr (Salvelinus alpinus). Project leader David Benhaim, Hólar University</i>	
Icelandic research Fund RANNÍS, Equipment Grant, (# 171428-031) co-applicant: "Centre for fish energetics"	2017
Icelandic research Fund RANNÍS, Project Grant: 246.000€.	2016-2018

FUNDINGS to students

<i>RANNÍS, 3 year-grant for post doctoral fellow, Celine Rochais, 24 Millions Isk</i>	2018
<i>RANNÍS, grant for doctoral student, Samantha V. Beck 4.5 Millions Isk</i>	2017
<i>Landsvirkjun Energy Research Fund:</i>	2016
- <i>Louise Vernier, M. Sc. : 600.000Isk</i>	
- <i>Samantha V. Beck, Ph.D.: 1.200.000Isk</i>	
<i>Student travel grant to Samantha Beck (PhD student) from the Ecological society of Iceland: 80.000Isk</i>	

TEACHING AND SUPERVISORY ACTIVITIES

Program coordinator 2022-2026

Nordic Master's Programme in Sustainable Production and Utilization of Marine Bioresources – MARBIO. Master of Research (60ECTS courses + 60ECTS research) in collaboration with the University of Gothenburg (Sweden) and Nord University (Norway). Program coordinator for Hólar University, and study coordinator for students taking courses at Hólar University. [MARBIO Master programme](#)

Workshop/courses for graduate students and early career scientists:

The Graduate School Production Ecology and Restoration Conservation Wageningen University and Research 2024.

5-day course on "Ecology and Evolution of Phenotypic Plasticity" targeted to 18 PhD students based in the Netherlands and Belgium. **Behavioural plasticity and its role in adaptation to environmental changes and unpredictability**

WEES Wageningen Evolution and Ecology systems. Half-day workshop targeted to PhD students, **2022.** Intraspecific diversity and its (long-term) monitoring". In-person

Freshwater ecology- 9th IRSAE summer school. Half-day workshop targeted to PhD students, **2019.** How to implement intraspecific diversity in conservation programs?

Courses taught at Hólar University

"Introduction to Sustainable Production and Utilisation of Marine Bioresources: Natural resources management", 5ECTS. Part of the Nordic Master Program MARBIO. Course coordinator, administrator, and supervisory teacher, responsible for logistics and teaching during onsite week. Two weeks online and one week on site. 2025.

"Introduction to Sustainable Production and Utilisation of Marine Bioresources", 15ECTS. Part of the Nordic Master Program MARBIO. Course coordinator, administrator, and supervisory teacher, responsible for logistics and teaching during onsite week. One online and one site week of teaching. Taught in 2022-2024.

"Fish reproduction", 6 ECTS. Course coordinator and supervisory teacher; 40 lectures. Diploma program in Aquaculture and Master students in Aquatic Biology (undergraduate and graduate course). Hólar University. Taught every year from 2015-2020 and in 2022, 2025 (only taught a two-day practical in 2023/2024).

"Behavioural Ecology" with a special focus on aquatic species, **6 ECTS** (Course coordinator and supervisory teacher, 30 lectures + laboratory), graduate course. Hólar University. Taught in 2013-2016, 2019-2021, 2023, 2026.

"Environmental Issue of Aquaculture", 6 ECTS. Course coordinator and supervisory teacher; 40 lectures. Diploma program in Aquaculture (undergraduate and graduate course). Hólar University. Taught in 2023.

Sustainable aquaculture -fish reproduction, egg quality, and management of broodstock, 10 ECTS, (undergraduate and graduate course), United Nations University –Fisheries training program, (teacher, 25hrs lectures + 16hrs exercise/laboratory). Hólar University. Taught in 2018 and in 2019/2023.

Topics in aquatic biology, 10 ECTS. Graduate course. Hólar University. Taught in 2018, 2020

Statistics in R, 6 ECTS. (half day) Graduate course. Hólar University. Taught in 2018, 2020.

Introduction to Fish Biology, (10hr/ year): Educational outreach for High-school students. Hólar University

Research course, 10 ECTS (Course coordinator and supervision, 30-50hrs supervision). Graduate course, Hólar University. Taught from 2014-2016

Fish Biology (4 hrs practical/year): undergraduate course. Hólar University

Courses taught at other universities

"Polar Biology", 3ECTS. DIS study abroad in Scandinavia, one times 2 lectures in 2022, 2023, 2024, 2025

Post-doctoral employment and guidance

2023 -2025 Grant E. Haines, three-year post-doctoral fellow funded by the Icelandic research fund "Direct estimates of fitness in multiple populations of small Arctic charr"

2020 -2021 Elizabeth Mittell, one year post-doctoral fellow funded by the Icelandic research fund "Growth and survival analyses of multiple populations of small Arctic charr"

Students Supervision:

- Ph.D.:

2014 - 2019 Samantha V. Beck, PhD project, University of Iceland, co-advisor with Zophonias Jónsson -graduated

2016 –2018 Mathias Lherbier, PhD project, University of Guelph, Canada, co-advisor with Moira Ferguson. (did not graduate)

- M.Sc.:

2026: Martina Tognetti, 2 yrs MSc of research, MARBIO Master Program, advisor

Adele Hügebaert, project at the end of the first year of Msc 2 months, advisor, Institut Agro Rennes-Angers, France

2025: Oskari Hakala, 2 years MSc of research, University of Jyväskylä, Finland, co-advisor

Abigail O´Brien, 2 years MSc of research, Hólar University, advisor

Dylan O´Hagan, 2 years MSc of research, Hólar University, advisor

2024: Krista Veijonen, 2 years MSc of research, University of Jyväskylä, Finland, advisor, *in maternity leave*

- 2023:** Daison Weedop, 2 years MSc of research, Hólar University, University of Maine, USA, co-advisor
Simon Dehove, project at the end of the first year of Msc 3 months, advisor, Polytech Tours, France.
- 2022:** Braden Judson, 2 years MSc of research, University of Guelph, Ontario, co-advisor with Moira Ferguson, - graduated
Marie Joigneau, project at the end of the first year of Msc 5 months, National School of Agronomy Agro Campus Ouest, Rennes, France
Maelle Sabathier, project at the end of the first year of Msc 3 months, co-advisor, National School of Agronomy AgroSup–Toulouse, France
Teddy Batte, project at the end of the first year of Msc 3 months, advisor, National School of Agronomy AgroSup Purpan–Toulouse, France
- 2021:** Erwan Le Behec, project at the end of the first year of Msc 5 months, National School of Agronomy AgroSup–Toulouse, France
Sabrina Carli, Erasmus project, Universita Politecnica delle Marche, 3 months, Italy
Julie Escudé, project at the end the first year of Msc 5 months, National School of Agronomy AgroSup–Dijon, France
- 2020:** Sébastien Skiada, project at the end the first year of Msc, National School of Agronomy and Food Industries (ENSAIA) –Nancy, France
- 2017:** Marie Birault, advisor, project at the end the first year of Master at Polytech Tours, France
- 2016:** Markos Tsinganis, M.Sc. Project, co-advisor, ETH Zurich-EAWAG, Switzerland
Gary Chevalier, advisor, project to end the first year of Master at Polytech Tours, France
- 2015** - Louise Vernier, M.Sc. Project (90ECTS), advisor, Hólar University
- 2012** - Romain Theysset, M.Sc. Project (60 ECTS), co-advisor, Hólar University, (did not graduate)

- Committee member of graduate students:

- 2024-2026** – Hervé Rogissart, PhD student, Université Savoie Mont Blanc, France
- 2022-2026** – Gabrielle Ladurée, PhD student, University of Iceland
- 2019 –2024** – Marion Dellinger, PhD. candidate, University of Iceland
- 2018 –2023** – Benjamin Andrews, MSc. project, Hólar University
- 2016-2019** – Lisandrina Mary – PhD project, Université de Chambéry, France - graduated
- 2013-2018** - Doriane Combot – M.Sc. project, Hólar University - graduated

- External examiner/opponent for master and PhD students’ final defense:

- 2025:** pre-external examiner for Katja Maamela, PhD thesis in Wildlife Biology, University of Helsinki, Finland.
external reader for Andrew Pinsent, 30 ECTS thesis, MSc in Coastal and Marine Management, University of the West fjords, Isafjörður, Iceland.
- 2024:** Hanna De Waele, PhD thesis in Behavioural Ecology, Wageningen University and Research, Wageningen, The Netherlands.
- 2023:** Gabrielle Grenier, PhD thesis in Biosciences, Fisheries and Economics, The Arctic University of Norway, Tromsø, Norway.
Ken-Reesha Price, 30 ECTS thesis, MSc in Coastal and Marine Management. University of the West fjords, Isafjörður, Iceland.
- 2021:** Tom Robin Olk, PhD thesis in Ecology, University of South-Eastern Norway, Bø, Norway.
- 2018:** Theresa Henke, 45 ECTS thesis, MSc in Coastal and Marine Management. University of the West fjords, Isafjörður, Iceland.
- 2018:** Edite Fiskovica, 30 ECTS thesis, MSc in Environmentl and Natural Resources management. University of the West fjords, Isafjörður, Iceland.

- B.Sc.:

- 2025:** Bart Van Zande, 30ECTS, advisor, Has University of applied sciences, The Netherlands
Sjoerd Dankers, 30ECTS, advisor, Has University of applied sciences, The Netherlands
- 2019:** Nienke van de Loosdrecht, 30ECTS, advisor, Hanze University of Applied Sciences, The Netherlands
- 2018:** Nais Droillard, 6ECTS project, advisor, Veterinary school, Toulouse, France
Jesse de Vries, 30ECTS project, advisor, Has University of applied sciences, The Netherlands
Wolf Van Lier, 30ECTS project, co-advisor, Has University of applied sciences, The Netherlands
- 2017:** Rick Morks, 30ECTS project, advisor, Has University of applied sciences, The Netherlands
Koen Sijstermans, 30ECTS project, advisor, Has University of applied sciences, The Netherlands
Elizabeth Forgako, UNU-FTP student from Cameroon. 4-months project.

2016: Michelle Wisse, 30ECTS project, co-advisor, Has University of applied sciences, The Netherlands

Valerie Kalle, 30ECTS project, advisor, Has University of applied sciences, The Netherlands

Anne Loes Tukker, 30ECTS project, advisor, Has University of applied sciences, The Netherlands

Renze Jacobi, 30ECTS project, advisor, Has University of applied sciences, The Netherlands

2015: Sebastiaan Meeuwsen, 30ECTS project, advisor, Has University for applied sciences, The Netherlands.

2014: Jason Flatt, 10 ECTS project, co-advisor, University of Guelph, Canada.

PUBLICATIONS

Manuscripts in peer-reviewed scientific journals

Total: 29 articles published.

(*corresponding or senior author; °own student)

CRedIT: Own contributions (abbreviated): Conceptualization (CON), Data curation (DAT), Formal analysis (FAN), Funding acquisition (FUN), Investigation (INV), Methodology (MET), Project administration (ADM), Resources (RES), Software (SOF), Supervision (SUP), Validation (VAL), Visualization (VIS), Writing –original draft (WRO), Writing – review & editing (WRE)

30-submitted: Stefán Ó. Steingrímsson, Mark R. Roper, **Camille A. Leblanc**, Gabrielle Ladurée, and Bjarni K. Kristjánsson. Foraging mode and social behavior of Arctic charr, *Salvelinus alpinus*, in aquatic lava caves in the Lake Mývatn area, NE-Iceland. Special issue in *Aquatic Ecology* (DAT, INV, MET, RES, WRE)

29- Grant E. Haines, Joseph Phillips, Bjarni Kristjánsson, **Camille A. Leblanc**. Weather and landscape morphology drive thermal regime variation among Mývatn ponds, and implications for resident Arctic charr. Special issue in *Aquatic Ecology* (DAT, FUN, MET, ADM, RES, SUP, WRE) <https://doi.org/10.1007/s10452-026-10269-3>

28- Joseph Culp et al. (44 authors). 2026 Freshwater biodiversity in a rapidly changing Arctic: An expert horizon scan of key research questions. *AMBIO* (INV, WRO, WRE). <https://doi.org/10.1007/s13280-025-02331-5>

27- Mittell, Elizabeth; **Camille A. Leblanc**, Kristjánsson, Bjarni; Ferguson, Moira; Rasanen, Katja; Morrissey, Michael 2025. Spatiotemporal variation in growth rates in small isolated populations of Arctic charr (*Salvelinus alpinus*). *Royal Society Open Science*. (CON, DAT, FUN, MET, ADM, RES, SUP, VAL, WRO, WRE). <https://doi.org/10.1098/rsos.241802>

26- Bjarni K. Kristjánsson, Doriane Combot, Anett Reilent, Joseph S. Phillips and **Camille A. Leblanc** 2024. Invertebrate diversity in groundwater filled lava caves is influenced by both neutral and niche-based processes? *Ecology and Evolution* (CON, DAT, FUN, INV, MET, ADM, SUP, WRE). <https://doi.org/10.1002/ece3.11560>

25- Judson, Braden°; **Camille A. Leblanc**; Kristjánsson, Bjarni; Ferguson, Moira 2024. The role of neutral and adaptive evolutionary processes on patterns of genetic diversity across small cave-dwelling populations of Icelandic Arctic charr (*Salvelinus alpinus*). *Ecology and Evolution* (CON, DAT, FUN, INV, MET, ADM, RES, SUP, VAL, WRE). <https://doi.org/10.1002/ece3.11363>

24- **Camille A. Leblanc***, Katja Räsänen, Michael Morrissey, Skúli Skúlason, Moira Ferguson, and Bjarni K. Kristjánsson 2024. Fine scale diversity in the lava: genetic and phenotypic diversity in small populations of Arctic charr *Salvelinus alpinus*. *BMC Ecology and Evolution*. (CON, DAT, FAN, FUN, INV, MET, ADM, RES, VAL, VIS, WRO). <https://doi.org/10.1186/s12862-024-02232-3>

23- Koene, J. Peter; Bean, Colin; Kristjánsson, Bjarni; Skúlason, Skúli; **Leblanc, Camille A.**; Adams, Colin 2024. Patterns, processes, and conservation-management consequences of intraspecific diversity among fishes from recently glaciated freshwater ecosystems. *Aquatic conservation: Marine and Freshwater ecosystems* (CON, MET, WRE) – <https://doi.org/10.1002/aqc.4076>

22- David R. Benhaim, Louise Vernier and **Camille A. Leblanc** 2023. Personality and temporal plasticity in fish populations along a gradient of evolutionary divergence. *Animal Behaviour* (CON, DAT, FUN, MET, ADM, RES, SUP, WRE). <https://doi.org/10.1016/j.anbehav.2023.02.010>

21- **Camille A. Leblanc***, Carl B. Schreck, Bjarni K. Kristjánsson, Skúli Skúlason and David L.G. Noakes 2022. Egg size related traits during the first year of growth and smolting in hatchery and wild juveniles of steelhead trout *Oncorhynchus mykiss*. *Environmental Biology of Fishes*. (CON, DAT, FAN, FUN, INV, MET, ADM, RES, VAL, VIS, WRO). [10.1007/s10641-022-01377-8](https://doi.org/10.1007/s10641-022-01377-8)

20- Samantha V. Beck°, Katja Räsänen, Bjarni K. Kristjánsson, Skúli Skúlason, Zophonías O. Jónsson, Markos Tsinganis, and **Camille A. Leblanc*** 2022. Variation in egg size and offspring phenotype along a gradient of divergence in Arctic charr. *Ecology and Evolution*, (CON, FUN, INV, MET, ADM, RES, SUP, WRO, WRE). doi.org/10.1002/ece3.9427

19- Karvonen, Anssi; Beck Samantha, Skúli Skúlason; Bjarni K. Kristjánsson; **Camille A. Leblanc** 2021. Variation in parasite resistance of Arctic charr, *Salvelinus alpinus*, between and within sympatric morphs. *Ecology and Evolution*. 11:14024–14032. DOI: [10.1002/ece3.8109](https://doi.org/10.1002/ece3.8109) (CON, DAT, FUN, MET, ADM, RES, SUP, WRO, WRE).

18- Horta-Lacueva Q., Snorrasson, S., M. Morrissey, **Leblanc C.**, and Kalina H. Kapralova 2021. Multivariate distributions of behavioural, morphological, and ontogenetic traits in hybrids bring new insights into the divergence of sympatric Arctic charr morphs. *BMC Ecology and Evolution*. 21:70 (CON, MET, RES, WRE). <https://doi.org/10.1186/s12862-021-01904-8>

- 17- Ignacy T. Dębicki, Elizabeth A. Mittell^o, Bjarni K. Kristjánsson, **Leblanc C.**, Michael B. Morrissey, & Kasim Terzić. 2021 Re-identification of individuals from images using spot constellations; a case study in Arctic charr (*Salvelinus alpinus*). *Royal Society Open Science*. (DAT, FUN, ADM, RES, SUP, WRE). <https://doi.org/10.1098/rsos.201768>
- 16- Agnes-Katharina Kreiling, O'Gorman, Eoin; Pálsson, Snaebjorn; Benhaim, David; **Leblanc. C.** Ólafsson, Jón; Kristjánsson, Bjarni K. Kristjánsson. 2021. Seasonal variation in the invertebrate community and diet of an apex fish predator in a thermally stable spring. *Hydrobiologia* 848(3), 531-545. 10.1007/s10750-020-04409-5. (CON, DAT, INV, WRE).
- 15- Samantha V. Beck^o, Katja Räsänen, **Leblanc. C.**, Skúli Skúlason, Zophonías O. Jónsson, Bjarni K. Kristjánsson. 2020. Differences among families in craniofacial shape at early life stages of development of Arctic charr (*Salvelinus alpinus*). *BMC Developmental Biology*. **20**, 21 (2020). 10.1186/s12861-020-00226-0 (CON, FUN, INV, MET, ADM, RES, SUP, WRO, WRE).
- 14-David Benhaim, **Leblanc. C.**, Khaled Horri, Krystal Mannion, Michael Galloway, Alexandra Leeper, Stephen Knobloch, Ólafur Sigurgeirsson, Helgi Thorarensen. 2020. The effect of triploidy on the performance, gut microbiome and behaviour of juvenile Atlantic salmon (*Salmo salar*) raised at low temperature. *Applied Animal Behaviour Science*. (CON, INV, MET, RES, WRE)
- 13-**Camille A. Leblanc***, Khaled Horri, Skúli Skúlason, and David Benhaim. 2019. Subtle temperature increase can interact with individual size and social context in shaping phenotypic traits of a cold water fish. *PLoSone*. 10.1371/journal.pone.0213061 (CON, DAT, FAN, INV, MET, VAL, WRO, WRE)
- 12- Skúli Skúlason, Kevin J. Parsons, Richard Svanbäck, Katja Räsänen, Moira M. Ferguson, Colin E. Adams, Per-Arne Amundsen, Pia Bartels, Colin Bean, Janette Boughman, Göran Englund, Jóhannes Gudbrandsson, Oliver Hooker, Alan Hudson, Kimmo K. Kahilainen, Rune Knudsen, Bjarni K. Kristjánsson, **Leblanc. C.**, Zophonías Jónsson, Gunnar Öhlund, Carl Smith and Sigurður S. Snorrason. 2019. A way forward with eco evo devo: an extended theory of resource polymorphism with postglacial fishes as model systems. *Biological reviews*, doi.org/10.1111/brv.12534. (CON, WRE)
- 11- Samantha V. Beck^o, Katja Räsänen, Ehsan P. Ahi, Bjarni K. Kristjánsson, Skúli Skúlason, Zophonías O. Jónsson, **Camille A. Leblanc**. 2019. Gene expression in the phenotypically plastic Arctic charr (*Salvelinus alpinus*): a focus on growth and ossification at early stages of development. *Evolution and Development*. DOI: 10.1111/ede.12275. (CON, FUN, INV, MET, ADM, RES, SUP, VAL, WRO, WRE).
- 10- Bjarni K. Kristjánsson and **Leblanc. C.** 2018. Variation in the magnitude of morphological and dietary differences between individuals among populations of small benthic Arctic charr in relation to ecological factors. *Ecology and Evolution*. DOI: 10.1002/ece3.3761. (CON, DAT, FAN, INV, MET, VAL, VIS, WRO, WRE)
- 9-Emilien Lasne, **Leblanc. C.**, Christian Gillet. 2018. Egg size vs. number of offspring trade-off: female age rather than size matters in a domesticated Arctic charr population. *Evolutionary Biology*. DOI 10.1007/s11692-017-9433-8. (FAN, WRE)
- 8-Bjarni K. Kristjánsson, **Leblanc. C.**, S. Skúlason Snorrason S., and David L.G. Noakes. 2018. Phenotypic plasticity in the morphology of small benthic Icelandic Arctic charr (*Salvelinus alpinus*). *Ecology of Freshwater Fishes* . DOI:10.1111/eff.12380. (INV, MET, VIS, WRE)
- 7-**Camille A. Leblanc***, Kristjánsson B. K., and Skúlason S. 2016. The importance of egg size and egg energy density for early size patterns and performance of Arctic charr *Salvelinus alpinus*. *Aquaculture Research*, doi: 10.1111/are.12566. (CON, DAT, FAN, FUN, INV, MET, ADM, RES, VAL, VIS, WRO)
- 6-Neil F. Thompson, **Leblanc. C.**, Jeremy D. Romer, Carl B. Schreck, Michael S. Blouin, and David L.G. Noakes. 2016. Sex-biased survivorship and differences in migration of wild steelhead (*Oncorhynchus mykiss*) smolts from two coastal Oregon Rivers. *Ecology of Freshwater Fishes* DOI: 10.1111/eff.12242. (CON, DAT, INV, MET, ADM, RES, SOF, VAL, WRE).
- 5-Bjarni K. Kristjánsson, Snorrason S, **Camille A. Leblanc**, David L.G. Noakes, and Skúlason S. 2014. Small benthic charr (*Salvelinus alpinus*) in Icelandic springs. *Náttúrufræðingurinn (in Icelandic)*. [Lífð á jaðrinum: Dvergbleikja \(*Salvelinus alpinus*\) í íslenskum lindarbúsvæðum](#) (INV, MET, WRE).
- 4-Jeremy Romer **Leblanc. C.**, Clements S., Ferguson J.A., Kent M.L., Noakes D., and Schreck C.B. 2013. Survival and behavior of juvenile steelhead trout (*Oncorhynchus mykiss*) in two estuaries in Oregon. *Environmental Biology of Fishes*. doi: 10.1007/s10641-012-0080-8. (CON, DAT, FAN, INV, MET, ADFM, RES, VAL, VIS, WRE).
- 3-**Camille A. Leblanc*** and David L.G. Noakes. 2012. Visible elastomer implants for marking small Rainbow trout *Oncorhynchus mykiss*. *North American Journal of Fisheries Management* doi: 10.1080/02755947.2012.683234. (CON, DAT, FAN, FUN, INV, MET, ADM, VAL, VIS, WRO, WRE).
- 2-**Camille A. Leblanc***, Benhaim D., Hansen B. R., Kristjánsson B. K., and Skúlason S. 2011. The Importance of Egg Size and Social Effects for Behaviour of Arctic Charr Juveniles. *Ethology* doi: 10.1111/j.1439-0310.2011.01920. (CON, DAT, FAN, FUN, INV, MET, ADM, VAL, VIS, WRO, WRE).
- 1-Benhaim D., **Leblanc. C.**, and Lucas G. 2009. Impact on a new artificial shelter on Arctic charr behaviour and culture performance during the endogenous feeding period. *Aquaculture* doi:10.1016/j.aquaculture.2009.06.024. (CON, DAT, FAN, INV, MET, ADM, RES, VAL, VIS, WRO, WRE)

Other publications

- IceFish Research – outreach dedicated to public
What scientist are you? 2024
<https://www.icefishresearch.com/2024/06/06/fine-scale-diversity-in-the-lava/>
<https://www.icefishresearch.com/2024/06/04/scientist-spotlight-camille-leblanc/>
- DMS Distance and Mediation of knowledge 2017
Distances et médiations des savoirs; « Conversation islandaise avec Erla Björk Örnólfsdóttir et Camille Leblanc »,
<http://dms.revues.org/1698>
- Ph.D. Thesis: the importance of egg size for the diversity of Salmonids, 130pp 2011
http://skemman.is/stream/get/1946/10867/26866/1/PHD_Camille_Leblanc_A4_HI.pdf
- Piscatorial press*, monthly publication of the Oregon American Fisheries society
Fishery Feature of the month. 2 pages. Leblanc C. & David Noakes.

PRESENTATIONS

Presentations as a first author in conferences

2026

-NoWPaS Conference, International Workshop of PhDs and Post doctoral fellows on Anadromous salmonids Hólar University, Iceland
Camille Leblanc, Agnes Kreiling, Krista Veijonen, Janus Hansen, Ragnhildur Guðmundsdóttir, Kári H. Arnasson, and Bjarni K. Kristjánsson
"An ecosystem approach: have fish and prey communities in Faroese lakes shifted over 20 years?"

2025

-Iceland Biological Society Conference ICEBIO, 2025 Reykjavik, Iceland,
Camille Leblanc, Agnes Kreiling, Krista Veijonen, Janus Hansen, Ragnhildur Guðmundsdóttir, Kári H. Arnasson, and Bjarni K. Kristjánsson
"Have fish communities and their preys changed in 20 years in small Faroese lakes"

-OIKOS 2025, Finland,
Camille Leblanc, Skúli Skúlason, Grant Haines, and Bjarni K. Kristjánsson
"Long-term biodiversity monitoring of multiple ground-water fed ponds and its future"

2024

-Mývatn Research Anniversary Conference, Mývatn Iceland -
Camille Leblanc
1- "Evolution in the lava: 13-year monitoring of small populations of Icelandic Arctic charr (*Salvelinus alpinus*)"
2- "Future research in the lava cave system"

-Poster: FSBI Annual symposium, Bilbao, Spain. Fisheries Ecology, management and forecasting through -omics.
Camille Leblanc, Samantha Beck, Skúli Skúlason and Bjarni K. Kristjánsson.
"Developmental plasticity within and among populations of Icelandic Arctic charr"

2023

-Honorary lecture at IceBio2023: Early career scientist award years 2023-2024
Camille Leblanc
"Evolution in the lava: 12-year monitoring program of small populations of Arctic charr"

-10th International Charr symposium, Nikko, Japan -
Camille Leblanc, Braden Judson, Grant Haines, Skúli Skúlason, Moira Ferguson, and Bjarni K. Kristjánsson
"Evolution under the lava: genetic and phenotypic structures of small populations of Icelandic Arctic charr, *Salvelinus alpinus*"

-Symposium on Nature Research, Icelandic Seal Center
Camille Leblanc
"Evolution under the lava: a fish example, Hvammstangi, Iceland"

-Poster: Icelandic Ecological Society Meeting, Laugarbakki, Iceland
Camille Leblanc, Krista M. Veijonen, Bjarni K. Kristjánsson, Janus Hansen, Ragnhildur Guðmundsdóttir, Kári H. Árnason,
Hilmar Malmquist, Kirsten S. Christoffersen, Agnes-Katharina Kreiling
"Temporal changes in feeding ecology and life histories of fishes in Faroese lakes"

-Biodice - IASC, Within-species diversity workshop, Hólar, Iceland
Camille Leblanc
Participant "Views on intraspecific diversity in Icelandic freshwater fishes"

2021

- Netherlands Society for Behavioural Biology,
Camille Leblanc, Samantha Beck, and Bjarni Kristjánsson
"Inherited differences in brain size and brain shape in a polymorphic fish, the Arctic charr (*Salvelinus alpinus*)"

-Ecological and Evolutionary Ethology of Fishes Conference, Berkeley, California USA, online
Camille Leblanc, Skúli Skúlason, and Bjarni K. Kristjánsson
"Under the volcano: Arctic charr in lava caves"

-Society for Experimental Biology, online
Camille Leblanc, Samantha Beck, Bjarni Kristjánsson, Arnar Pálsson and Sarah Steele
"Inherited and plastic differences in brain size and brain shape in a polymorphic fish, the Arctic charr (*Salvelinus alpinus*)"

-Symposium on "Complex trait genetics, model systems for divergent evolution and biodiversity"

Camille Leblanc, Skúli Skúlason and Bjarni K. Kristjánsson

"Diversity in Icelandic freshwater fishes: patterns and processes – ECO EVO DEVO studies in Arctic charr" – online 26/04/2021

-*Arctic Science Summit Week*, Lisbon, Portugal – online 25/03/2021

Organizer and co-chair of a session: "Session ID 71: Biodiversity at Northern Latitudes: a Focus on Wetland and Freshwater Ecological".

<https://assw2021.pt/?acao=detailedprogram>

<https://drive.google.com/file/d/1ZGEvyQ8OTFoIC7058v-1kEIg6Uwhw9q/view>

-*Ecological Society of Iceland Conference*, online

Camille Leblanc, Samantha Beck, and Bjarni K. Kristjánsson

„Intraspecific variation in brain size and morphology in Arctic charr juveniles from streams and lakes"

-*Ráðstefna Gæðaráðs: Teaching and Learning Post-COVID: what lies ahead? Online conference of the Quality board for Icelandic Higher Education*, Camille Leblanc.

„From on-site practical to online training: an example from the aquaculture diploma program" 02sd of March

2020

The fourth conference of the Nordic Society OIKOS, Reykjavik, Iceland

Camille Leblanc, Skúli Skúlason, Katja Räsänen, Árni Einarsson, Michael Morrissey, Moira Ferguson, and Bjarni K. Kristjánsson

„Living in the lava: ecology and evolution of Arctic charr in caves"

2019

Advances in the population ecology of salmonids, Granada, Spain

Camille Leblanc, Nais Droillard, Louise Vernier, and Bjarni K. Kristjánsson

„Genetic differences in brain size and morphology in juveniles Arctic charr emerging in stream and lake"

Ecological Society of Iceland Conference, Hólar University, Iceland

Camille Leblanc, Skúli Skúlason, Kevin Parsons, Kimmo Kahilainen, Colin Bean, Bjarni K. Kristjánsson and Colin Adams

„Intraspecific diversity and its implication for conservation"

2018

Arctic Biodiversity Congress, Rovaniemi, Finland

Organizer and co-chair of a session: "Intraspecific diversity in Arctic freshwater systems and its relevance in biodiversity and conservation: from pattern to process".

<https://www.arcticbiodiversity.is/index.php/kno5-intraspecific-diversity-in-arctic-freshwater-systems-and-its-relevance-in-biodiversity-and-conservation-from-pattern-to-process>

2017

The Icelandic Biological Conference, Reykjavik, Iceland

- Oral " Living in the lava: ecology and evolution of Arctic charr in caves"

- Poster: "The interplay of egg size, temperature and social environment for phenotypic diversity in fishes"

Behaviour 2017, Estoril, Portugal

Camille Leblanc, and David Benhaim. Poster "The interplay of egg size, temperature and social environment for phenotypic diversity in fishes"

2016

French Society for Ecology Conference, Marseille, France

Camille Leblanc, Katja Rasanen, Sigurður Snorrason, Árni Einarsson, Michael Morrissey, Moira Ferguson, Skúli Skúlason and Bjarni K. Kristjánsson,

"High number of small populations as a tool to study evolutionary and ecological processes of diversification: insight from Arctic charr in lava caves."

Nordic Oikos Conference, Turku, Finland

"The interplay between ecology and evolution at small spatial scales: insight from Arctic charr in lava caves"

Ecological Society of Iceland, Reykjavik, Iceland

"The interplay between ecology and evolution at small spatial scales: insight from Arctic charr in lava caves"

2015

The Icelandic Biological Conference, Reykjavik, Iceland

"The interplay between ecology and evolution at small spatial scales: insight from Arctic charr in lava caves"

2013

The Icelandic Biological Conference, Reykjavik, Iceland

"Fine scale diversity of small benthic cave-dwelling Arctic charr *Salvelinus alpinus*"

The 9th International Workshop on salmonid smoltification, Reykjavik – Hólar University, Iceland

"Survival and sex ratio in steelhead smolts"

International Workshop on patterns and processes of intraspecific divergence and their relevance to aquatic biological diversity,

St Andrews, Scotland, UK. "Maternal effects and biodiversity of fishes"	2012
<i>Applied Evo 2012, Evolutionary ecology and management of aquatic ecosystems</i> , EAWAG, Switzerland "Fine scale diversity of small benthic cave dwelling Arctic charr"	2011
<i>American Fisheries Society, Seattle, WA, USA</i> "Monitoring estuarine survival of steelhead trout using acoustic telemetry"	2010
<i>R- VON, University of Iceland, Reykjavik, Iceland</i> "Maternal effects and biodiversity of fishes"	
<i>Conference on Electronic Tagging Studies of Salmon Migration, Bodega Bay, CA, USA</i> "Monitoring estuarine survival of steelhead trout (<i>Oncorhynchus mykiss</i>) smolts in Oregon coastal rivers using acoustic telemetry"	
<i>State of Salmon International Conference, Portland, OR, USA</i> -Poster "Consequences of egg size in Hatchery and Wild steelhead trout (<i>Oncorhynchus mykiss</i>)".	
<i>Oregon Chapter of American Fisheries Society, Eugene, OR, USA</i> -Poster: "Seasonality and sizes of salmonids smolts in Fall Creek, OR".	
<i>Pacific States Marine Fisheries Commission Meeting,</i> -Poster: "Seasonality and sizes of salmonids smolts in Fall Creek, OR".	
<i>Steelhead management meeting, Redmond OR, USA</i> -Poster: "Seasonality and sizes of salmonids smolts in Fall Creek, OR".	
FroSpects, Evolution of divergence and speciation models of specific systems, Workshop, August, Hólar, Iceland <i>Poster: „Does egg size affect behaviour and morphology of Arctic charr?“</i> Camille Leblanc, Bjarni K. Kristjánsson, Sigurdur Snorrason, Skúli Skúlason and David L. G. Noakes http://www.iiasa.ac.at/Research/ADN/workshops/Holar%20Program.pdf	2009
<i>International Smolt Workshop, Corvallis, OR,</i> "Seasonality and sizes of salmonids smolts in Fall Creek, OR".	
<i>International Ethology Conference, Rennes, France</i> -"Does egg size affect behavior and morphology of Arctic charr (<i>Salvelinus alpinus</i> , L). - Poster "Impact of a new artificial shelter on Arctic charr (<i>Salvelinus alpinus</i>) behavior and culture performances during the endogenous feeding period"	
<i>POST conference, Vancouver, Canada</i> "Migration, Physiology and Behavior of steelhead trout in Oregon".	
<i>Oregon Chapter of American Fisheries Society, Bend, OR</i> -Poster"Impact of a new artificial shelter on Arctic charr behavior and culture performances during the endogenous feeding period".	2008
<i>Ecological and Evolutionary Ethology of Fishes Conference, Boston</i> Poster : "Evidence for an inherent variation in behavior of Arctic charr juveniles".	2007
<i>Fifth Annual Symposium: Research Advances in Fisheries, Wildlife & Ecology</i> , November 2007, Oregon State University, USA. "Maternal effects on behavior and life histories of fishes".	2006
<i>5th International Charr symposium, Reykjavik, Iceland</i> -"Foraging behaviour in Arctic charr juveniles (<i>Salvelinus alpinus</i> , L.): impact of body size and social environment". Camille <u>Leblanc</u> , S. Skúlason, D. Benhaïm, and B. R. Hansen. August, 2006, Reykjavik Iceland. -Poster "Long and short term temperature variations in Arctic charr juveniles foraging behaviour and mobility (<i>Salvelinus alpinus</i> , L)." Camille <u>Leblanc</u> , S. Skúlason, D. Benhaïm, and B. R. Hansen. August, 2006, Reykjavik Iceland.	

Other presentations

(*student presentations; °postdoc presentation)

2026

Alex Zinck, *Romane Zillhardt, Sabine Lobligeois, Camille A. Leblanc, David Benhaïm
"Assessing metabolic rate and fitness related traits in pre- and post-hatching Arctic charr (*Salvelinus alpinus*)"
Icelandic Ecological Society meeting 026, OIKOS, Haskóli Íslands

*Romane Zillhardt, Alex Zinck, Sabine Lobligeois, Camille Leblanc and David Benhaïm
"Investigating embryonic metabolic rate as a predictor of activity-related personality trait in Arctic charr (*Salvelinus alpinus*)"
Icelandic Ecological Society meeting 026, OIKOS, Haskóli Íslands

*Romane Zillhardt, Alex Zinck, Ange Midroit, Alyssa Ehrlich, Camille Leblanc and David Benhaïm
Poster presentation: "From egg to juvenile: connecting development, metabolic rate and personality in the Arctic charr (*Salvelinus alpinus*)"
NoWPaS Conference, International Workshop of PhDs and Post doctoral fellows on Anadromous salmonids Hólar University, Iceland

Bjarni K. Kristjánsson, Skúli Skúlason and Camille Leblanc
"Biodiversity, species concepts and conservation"
NoWPaS Conference, International Workshop of PhDs and Post doctoral fellows on Anadromous salmonids Hólar University, Iceland

°Grant E. Haines, Bjarni Kristjánsson, and [Camille Leblanc](#).
"Effects of size, body condition, and seasonal variation on survival in replicate wild charr populations"
Annual Conference of the Canadian Society for Ecology and Evolution

2025

*Daison Weedop, [Camille Leblanc](#), Kári H. Árnasson, Grant Haines and Bjarni K. Kristjánsson
"Temporal variation in diet of cave dwelling Arctic charr"
Iceland Biological society conference, IceBio2025

°Grant E. Haines, Joseph Phillips, Bjarni Kristjánsson, [Camille Leblanc](#).
"Weather and landscape morphology drive thermal regime variation among Mývatn ponds, and implications for resident Arctic charr."
Iceland Biological society conference, IceBio2025

*Dylan O'Hagan and [Camille Leblanc](#)
Poster presentation: Parasites diversity and load within and among populations of small benthic Arctic charr
Iceland Biological society conference, IceBio2025

Franka Hemme, [Camille Leblanc](#), Margaux Vanhussel, and Alessandra Schnider*
"Out of the lab and into the wild – Investigating the effects of environmental variability on embryonic performance in threespine stickleback"
Iceland Biological society conference, IceBio2025

Jonathan A.C. Roques, Viviane Verlhac-Trichet, [Camille Leblanc](#), Barry Costa Pierce, Kristina Sundell
"The Nordic Master's program in sustainable production and utilisation of marine bioresources: a model of successful inter- and transdisciplinary collaboration in higher education." AQUA 2025 Innovations through technology, session Aquaculture Education, Extension and Information transfer

2024

°Grant Haines, Bjarni Kristjánsson, [Camille Leblanc](#). "Body condition, competition, and survival in replicated wild charr populations".
Mývatn Anniversary Research Conference, Iceland

°Grant Haines, Bjarni Kristjánsson, [Camille Leblanc](#). "Body condition, competition, and survival in replicated wild charr populations".
Evolution Conference 2024, Montreal, Canada

2023

*Daison Weedop, Bjarni K. Kristjánsson, [Camille Leblanc](#)
"Arctic Charr in cycling food webs"
IceBio2023, Reykjavik, Iceland

*Franka Hemme, *Alessandra Schnider, *Margaux Vanhussel, [Camille Leblanc](#)
"Out of the lab and into the wild – Investigating the effects of environmental variability on offspring performance in threespine stickleback"
IceBio2023, Reykjavik, Iceland

°Grant Haines, Bjarni Kristjánsson, [Camille Leblanc](#). "Body condition in replicate charr populations: trends through time & implications".
IceBio2023, Reykjavik, Iceland

Bjarni K. Kristjánsson, Joseph Phillips, Camille Leblanc
"Invertebrate diversity in groundwater filled lava caves is influenced by neutral and niche-based processes"
IceBio2023, Reykjavik, Iceland

Bjarni K. Kristjánsson, Skúli Skúlason, and Camille Leblanc.
"The importance of within species diversity for conservation"
56th EMBS European Marine Biology Symposium, Reykjavik, Iceland

David Benhaim and Louise Vernier, Camille Leblanc
"Diversity and conservation of small populations along a gradient of evolutionary divergence"
Icelandic Ecological Society Meeting, Laugarbakki, Iceland, March

°Grant Haines, Bjarni K. Kristjánsson, and Camille Leblanc
Flash talk: „Environment, life history, and demography in cave charr “
Icelandic Ecological Society Meeting, Laugarbakki, Iceland, March

2022

Bjarni K. Kristjánsson, Katja Rasanen, Skúli Skúlason and Camille Leblanc
„Understanding biodiversity using the eco-evo-devo framework“
Invited seminar, department of biology and environmental science, University of Jyväskylä, Finland. 22. September 2022

2021

Skúli Skúlason, Bjarni K. Kristjánsson, Camille A. Leblanc, and Sigurður Snorrason
"Iceland as a theater for the evolution of diversity in freshwater fishes"
Ecological and Evolutionary Ethology of Fishes Conference, Berkeley, California USA, online

Bjarni K. Kristjánsson, Camille A. Leblanc and Skúli Skúlason,
"Diversity and evolution of Icelandic small benthic Arctic charr (*Salvelinus alpinus*)"
Ecological and Evolutionary Ethology of Fishes Conference, Berkeley, California USA, online

2020

°Elizabeth Mittell, Bjarni K. Kristjánsson, Michael Morrissey and, Camille A. Leblanc
Spatial variation in growth rate and survival in small replicated natural populations of Arctic charr.
The fourth conference of the Nordic Society OIKOS, Reykjavik, Iceland. 3-5 March

Bjarni K. Kristjánsson, Camille A. Leblanc and Katja Rasanen.
The importance of ecological factors for population niche structure and the relationships between morphology and diet in fish population.
The fourth conference of the Nordic Society OIKOS, Reykjavik, Iceland. 3-5 March

David Benhaim, Louise Vernier, and Camille Leblanc
How does personality vary between morphs of Arctic charr?
The fourth conference of the Nordic Society OIKOS, Reykjavik, Iceland. 3-5 March

Skúli Skúlason, Bjarni K. Kristjánsson, Camille A. Leblanc, Sigurður Snorrason and Katja Rasanen.
The importance of integrating ecological, evolutionary and developmental biology for our understanding of biological diversity and its conservation.
The fourth conference of the Nordic Society OIKOS, Reykjavik, Iceland. 3-5 March

2019

Skúli Skúlason, Camille A. Leblanc and Bjarni K. Kristjánsson. The value of biodiversity in northern freshwaters: implications for society and ethics of nature. Arctic Circle, 11 October.

Bjarni K. Kristjánsson, Skúli Skúlason og Camille A Leblanc. Conserving Biological Diversity. BioIce 2019. 17. – 19. Október.

Bjarni K. Kristjánsson, Skúli Skúlason and Camille Leblanc Why focusing on a species as a unit of conservation may be a problem.
9th IRSAE summer school, Hólar 4-10 August.

Skúli Skúlason, Bjarni K. Kristjánsson and Camille A. Leblanc. The significance of patterns and processes for the conservation of biological diversity.
9th IRSAE summer school, Hólar 4-10 August.

Skúli Skúlason, Camille A. Leblanc and Bjarni K. Kristjánsson. The conceptual basis and future of ecological evolutionary developmental biology.
Ecological society of Iceland conference, March 29-30th

Benhaim, D., Kreiling, A.-K, Camille Leblanc, Kristjánsson, B.K. 2019. Link between ecological factors and boldness in Arctic charr population located in freshwater spring. Ecological society of Iceland conference, March 29-30th

*Quentin J.-B.Horta-Lacueva, David Benhaim, [Camille Leblanc](#), Sigurður S. Snorrason, Alia Desclos, Kalina H. Kapralova. 2019. What Arctic charr can tell us about the role of personality in speciation? [Ecological society of Iceland conference](#), March 29-30th

2018

Skúli Skúlason, Bjarni K. Kristjánsson, and [Camille Leblanc](#). Eco-evo-devo framework for the understanding of biodiversity: moving on from a pattern to process oriented view. [Arctic Biodiversity Congress](#). Rovaniemi Finland

Bjarni Kristjánsson, Skúli Skúlason and [Camille Leblanc](#). How do ecological factors shape intraspecific biodiversity in Arctic fishes. [Arctic Biodiversity Congress](#). Rovaniemi Finland.

*Samantha Victoria Beck, Bjarni K. Kristjánsson, Katja Rasanen, Zophonías Jónsson, Skúli Skúlason and [Camille Leblanc](#): Variation in maternal investment and the evolution of resource polymorphisms in Arctic charr (*Salvelinus alpinus*). [24th European Meeting of PhD Students in Evolutionary Biology](#). Bubión, Spain, September.

Bjarni K. Kristjánsson, [Camille Leblanc](#) og Skúli Skúlason, Intraspecific biodiversity – an under appreciated part of freshwater ecosystems. Invited speaker, [8th IRSAE Summer school](#). 9. Ágúst

Bjarni K. Kristjánsson, [Camille Leblanc](#) og Skúli Skúlason. Intraspecific biodiversity – an under appreciated part of freshwater ecosystems. Invited speaker. [Fyrirlestur í föstudagsfyrirlestraröð Háskólans á Hólum](#). September

Bjarni K. Kristjánsson og [Camille Leblanc](#). Lífið í hrauninu – Gjálrontur og annað lífríki hruanhella í Mývatnssveit. [Fræðsluerindi á aðalfundi Fjöreggs, félags um náttúruvernd og heilbrigðis umhverfis í Mývatnssveit](#). 12. apríl

Bjarni K. Kristjánsson, Katja Räsänen, Árni Einarsson, Moira Ferguson and [Camille Leblanc](#). Genetic and phenotypic diversity in Arctic charr inhabiting lava caves near Lake Mývatn. [Vistís 2018](#).

*Samantha Victoria Beck, Bjarni K. Kristjánsson, Katja Rasanen, Zophonías Jónsson, Skúli Skúlason and [Camille Leblanc](#). Maternal effects and early developmental changes in gene expression in polymorphic Arctic charr (*Salvelinus alpinus*). [Biology 18](#). Neuchâtel, Switzerland, February

2017

Bjarni K. Kristjánsson, Camille A.L. Leblanc. Skúli Skúlason. The evolution of phenotypic diversity in Arctic charr. [Arctic char: Ecology, genetics, climate change, and the implication for conservation and management](#). Reykjavík 31. Okt – 1. November.

*Samantha Victoria Beck, Bjarni K. Kristjánsson, Katja Rasanen, Zophonías Jónsson, Skúli Skúlason and [Camille Leblanc](#). Harnessing the power of maternal effects for increasing adaptive potential of a single population through developmental processes. [Arctic char: Ecology, genetics, climate change, and the implication for conservation and management](#). Reykjavík 31. Okt – 1. November.

Bjarni K. Kristjánsson and Camille A. L. Leblanc, High number of small populations as a tool to study evolutionary and ecological processes of diversification: Insight from Arctic charr in lava caves. [6th Aquatic Biodiversity International Conference](#), Sibiu Romania, 27. – 30. Sept

Bjarni K. Kristjánsson, Ecological studies at Hólar University, Introductory lecture, [Vistís 2017 \(the Ecological society of Iceland conference\)](#)

Bjarni K. Kristjánsson , Camille Leblanc , Katja Räsänen , Sigurður Snorrason , Árni Einarsson, Michael Morrissey, Moira Ferguson & Skúli Skúlason. The interplay between ecology and evolution at small spatial scales: insight from Arctic charr in lava caves in Iceland. [Revolutions meeting, Uppsala University](#), Sweden

*Samantha Victoria Beck, Bjarni K. Kristjánsson, Katja Rasanen, Zophonías Jónsson, Skúli Skúlason and [Camille Leblanc](#). Poster: Maternal effects and early developmental changes in gene expression: insights into the evolution of resource polymorphism in Arctic charr. [2nd Biennial Meeting Pan-American Society for Evolutionary Developmental Biology](#). Calgary, Canada 19-23rd of August.

*Louise Vernier, David Benhaim, Bjarni K. Kristjánsson, [Camille Leblanc](#). Poster : Does variation in egg size and growth trajectories affect behaviour in five resource-based morphs of Arctic charr (*Salvelinus alpinus*). [The Icelandic Biological Conference](#), Reykjavik, Iceland, October and [Behaviour 2017](#), Estoril, Portugal August 2017.

*Samantha Victoria beck, Bjarni K. Kristjánsson, Katja Rasanen, Zophonías Jónsson, Skúli Skúlason and [Camille Leblanc](#). The evolution of individual diversification: can egg size variation facilitate the rapid evolution of resource polymorphism in fishes. [Vistís 2017, Ecological society of Iceland, Hólar, 28-29th April](#).

*Louise Vernier, David Benhaim, Bjarni K. Kristjánsson, [Camille Leblanc](#). The importance of egg size for variation in life history traits and behaviour of individuals in a polymorphic fish at different level of divergence. [OE3C 2017: Ontario Ecology, Ethology and Evolution Colloquium 2017, Queen's University, Canada, 18-20th of May](#).

2016

*Doriane Combot, [Camille Leblanc](#), Daniel Govoni and Bjarni K. Kristjánsson. Epibenthic macroinvertebrate diversity in relation to local ecology in groundwater-fed lava caves in North East Iceland. *Sfécologie2016* Marseille France 25. October

*Louise Vernier, David Benhaim, Bjarni K. Kristjánsson, [Camille Leblanc](#). The importance of egg size for variation in metabolism, growth and behavior of individuals in a polymorphic fish. *Sfécologie2016* Marseille France 26. October

*Samantha V. Beck, Bjarni K. Kristjánsson, Katja Räsänen, Zophonías Jónsson, Skúli Skúlason and [Camille Leblanc](#). The evolution of individual diversification: can egg size variation facilitate the rapid evolution of resource polymorphism in fishes. *Sfécologie2016* Marseille France 25. October

*Sigurður H. Árnason, [Camille Leblanc](#), Skúli Skúlason, and Bjarni K. Kristjánsson, 2016, Movement variability and fine scale morphological differences within a cave dwelling small benthic Arctic charr population in Iceland, Polar Ecology Conference 2016, Ceske Budejovice, Czech Republic.

*Sigurður Halldór Árnason, [Camille Leblanc](#), Skúli Skúlason, Bjarni K. Kristjánsson. Movement variability and fine scale morphological differences within a cave dwelling dwarf Arctic charr population in Iceland . *Oregon Chapter of the American Fisheries Society* .Seaside, OR, USA, 1-4 March

*Samantha V. Beck, [Leblanc Camille](#), Katja, Räsänen, Zophonías, O. Jónsson, Skúli Skúlason, Bjarni, K. Kristjánsson. Egg size mediated developmental plasticity in divergent Arctic charr populations. OIKOS Nordic Conference, 1-4 February, Turku, Finland. Poster

2015

*Samantha V. Beck, [Leblanc Camille](#), Katja, Räsänen, Zophonías, O. Jónsson, Skúli Skúlason, Bjarni, K. Kristjánsson. Egg size variation and its influence on evolutionary diversification in sympatric populations of Icelandic Arctic charr (*Salvelinus alpinus*). Conference on biological research in Iceland, 6–7 November

*Sigurður Halldór Árnason, [Camille Leblanc](#), Skúli Skúlason, Bjarni K. Kristjánsson. Phenotypic variability in behaviour, diet and morphology of a cave dwelling population of small benthic charr (*Salvelinus alpinus*). Conference on biological research in Iceland, 6–7 November

*Louise Vernier, Samantha V. Beck, Anett Reilent, David Benhaim, Bjarni K. Kristjánsson & [Camille A.-L. Leblanc](#). Relationship between egg size, metabolic rate, growth and personality traits of individuals in divergent populations of Salmonids. Conference on biological research in Iceland, 6–7 November

Zophonías O. Jónsson, Ehsan Pashay Ahi, Samantha V. Beck, [Camille Leblanc](#), Bjarni K. Kristjánsson. Identification of a conserved gene expression network associated with egg size variation in Arctic charr. Conference on biological research in Iceland, 6–7 November

Skúli Skúlason, Bjarni K. Kristjánsson, [Camille A. Leblanc](#) and Sigurður S. Snorrason 2015. The field of ECO-EVO-DEVO can elevate our understanding of the generation and maintenance of biological diversity. Conference on biological research in Iceland, 6–7 November

Bjarni K. Kristjánsson , [Camille Leblanc](#) , Katja Räsänen , Sigurður Snorrason , Árni Einarsson, Michael Morrissey , Moira Ferguson & Skúli Skúlason. The interplay between ecology and evolution at small spatial scales: insight from Arctic charr in lava caves in Iceland. *8th International Charr symposium*, Tromsø Norway, 14-18 June

Katja Räsänen, [Camille Leblanc](#), Bjarni K. Kristjánsson, Samantha Beck, Zophonías O. Jónsson & Skúli Skúlason. The role of egg size and developmental plasticity in diversification of Icelandic Arctic charr. *8th International Charr symposium*, Tromsø Norway, 14-18 June

2014

*Neil F. Thompson, [Camille A. Leblanc](#), Jeremy D. Romer, Carl B. Schreck, Michael S. Blouin, and David L.G. Noakes . Sex biased survival and differences in migration of wild steelhead (*Oncorhynchus mykiss*) smolts from two coastal Oregon rivers". 144th American Fisheries Society, Annual meeting, Québec, Canada

2013

Bjarni K. Kristjánsson, Romain Theysset, [Camille A. Leblanc](#) and Skúli Skúlason. Factors affecting developmental rate in Arctic charr embryos and juveniles The Icelandic Biology Conference, 8. and 9. November, Reykjavik, Iceland

Stefán Óli Steingrímsson, Mark R. Roper, [Camille A. Leblanc](#), Bjarni K. Kristjánsson og Árni Einarsson. Foraging mode of cave-dwelling Arctic charr in the Lake Mývatn area. The Icelandic Biology Conference, 8. and 9. November, Reykjavik, Iceland.

2010

David L.G. Noakes, Carl B. Schreck, Jeremy D. Romer, [Camille A. Leblanc](#), Alix I. Gitelman, and Shaun Clements. Can steelhead mortality be explained by survival in the lower rivers and estuaries. 141th American Fisheries Society, Annual meeting,

2009

Skúli Skúlason, [Camille Leblanc](#), B.K. Kristjánsson and S.S. Snorrason. Mechanisms of divergence and speciation in polymorphic fish: The importance of reproductive styles and developmental constraints. International Conference on Evolutionary Ecology of Fishes Diversification, Adaptation and Speciation; Berlin 23.–25. November

Skúli Skúlason, [Camille Leblanc](#), Bjarni K. Kristjánsson and Sigurður. Snorrason. Mechanisms of divergence in arctic charr: The importance of reproductive styles and developmental constraints. 6th International Charr symposium at Stirling, June.

Skúli Skúlason, Camille Leblanc, Bjarni K. Kristjánsson og Sigurður.S. Snorrason. Tegundamyndun fiska: Mikilvægi æxlunarlíffræði og proskaferla. The Icelandic Biological Conference Iceland, 6–7 November

2008

D. Benhaim, C. Leblanc, & B. K. Kristjánsson. Poster presentation "Does egg size affect behavior and morphology of Arctic charr (*Salvelinus alpinus*). *Fifth Annual meeting of the French Research Group in Ethology*. Paris, May

Invited oral presentations at conferences and universities:

2024

Invited keynote presentation, *Wageningen University and Research WUR* 29th-03rdMay, Graduate school in depth course for PhD students, Behavioural plasticity and its role in adaptation to environmental changes and unpredictability
Camille Leblanc "Developmental plasticity within and among populations of fishes"

2022

Invited keynote presentation Stickleback Behaviour and Evolution conference:
Camille Leblanc "Icelandic fresh water fishes diversity through an ECO-EVO-DEVO lens", Hólar University, July

Wageningen University and Research, WEES Wageningen Evolution and Ecology Seminar, May 19th
In person seminar, all afternoon

Camille Leblanc „Using the ECO-EVO-DEVO framework to better understand intraspecific diversity: insights from a cold freshwater fish, the Arctic charr, *Salvelinus alpinus*“

Wageningen University and Research, April 22sd

In person guest lecturer in the course "Animal Behaviour", 45 min

Camille Leblanc „Post glacial divergence and intraspecific variation in behaviour of a freshwater fish. “

2021

EAWAG Aquatic Research, Kastanienbaum, 01st December

Invited speaker to departmental seminar, FishEc Seminare, all afternoon

Camille Leblanc „Phenotypic and developmental approaches to better understanding adaptive divergence in salmonids“

Wageningen University and Research, Behavioral Ecology group, September 24th

Invited speaker to departmental seminar

Camille Leblanc „Phenotypic and developmental approaches to better understanding adaptive divergence in salmonids“

2020

NoWPas 2020 Meeting, Laugarvatn, Iceland March 2nd-7th

Key note speaker for „Evolution and Genetics“ session

Camille Leblanc „Beyond genetics: phenotypic and developmental approaches to better understanding adaptive divergence in salmonids“

2019

9th IRSAE summer school, Half day workshop „freshwater Ecology“, 30 minute lecture, 07th August

Camille Leblanc, Skúli Skúlason, Kevin Parsons, Kimmo Kahilainen, Colin Bean, Bjarni K. Kristjánsson and Colin Adams
„Intraspecific diversity and its implication for conservation“

Hólar University, Seminar, June

Camille Leblanc, Nais Droillard, Louise Vernier, and Bjarni K. Kristjánsson

„Genetic differences in brain size and morphology in juveniles of Arctic charr“

2017

Bjarni K. Kristjánsson, Camille Leblanc, Skúli Skúlason, The origin and maintenance of the extended phenotype.

University of Glasgow, invited speaker, Spring

Fræðsluerindi á vegum Hins íslenska náttúrufræðifélags, Reykjavík

Bjarni K. Kristjánsson & Camille A. Leblanc, Lífið í hrauninu – lífríki í vatnsfylltum hraunhellum í Mývatnssveit, 30. Október

2016

Hólar University, Seminar

-“The interplay between ecology and evolution at small spatial scales: insight from Arctic charr in lava caves”.

Camille Leblanc, Bjarni K. Kristjánsson Katja Räsänen , Sigurður Snorrason , Árni Einarsson, Michael Morrissey , Moira Ferguson & Skúli Skúlason
-“Origin and maintenance of the extended phenotype”.

Bjarni, K. Kristjánsson, Camille Leblanc, and Skúli Skúlason

Departmental seminar at the Institute of Biology, Háskóli Íslands, Reykjavik
"Origin and maintenance of the extended phenotype"
Bjarni, K. Kristjánsson, Camille Leblanc, and Skúli Skúlason

2015

Seminar at Hólar University

"The importance of ecology, phenotype and genetic structure for diversity in Icelandic Arctic charr (*Salvelinus alpinus*)"

2012

Departmental seminar at EAWAG, Dübendorf, Switzerland

"The importance of ecology, phenotype and genetic structure for diversity in Icelandic Arctic charr (*Salvelinus alpinus*)"

2011

Departmental seminar at the Institute of Biology, Háskóli Íslands, Reykjavik

"The importance of egg size for the diversity of Salmonids", October.

2009

Oregon Hatchery Research Center, Corvallis, OR, USA

"Seasonality and sizes of salmonids smolts in Fall Creek, OR". Advisory committee.

Department seminar, Oregon State University, Corvallis, OR, USA

"Maternal effects in Fishes".

Sixth International Salvelinus Symposium, Stirling, Scotland

Mechanisms of divergence in Arctic Charr: The importance of reproductive styles and developmental constraints.

S. Skúlason, C. Leblanc & S.S. Snorrason.

PROFESSIONAL SERVICE (most recent)

- Member of the University board, Hólar University , appointed through election by the staff of Hólar	2025-2027
- Associate Editor for <i>Ecology and Evolution</i> Journal	2023-current
-Representation of the Department of Aquaculture and Fish biology at Vísindavaka - the European Researcher Night in Reykjavik, one day 30 th September. Material created and tailored to kids, to a wide audience with two PhD students.	2023-2024
-Representation of the Department of Aquaculture and Fish biology at atvinnulífssýning, Sauðarkrókur, Iceland 17 th -18 th of April. Material created and tailored to the public, advertising the university, our program and our research	
- Member of the board of the Staff Association , Hólar University	2020-2025
-Member of the hiring committee for an Assistant Professor at DAFB, Hólar University	2020
-Member of the hiring committee for a technician position at DAFB, Hólar University	
-Member of the board for the Arctic charr breeding program, Minister of the Industry and Innovation Representing Hólar University,	2018-2020
- Teaching committee at Hólar University Representing the department of Aquaculture and Fish biology at the University teaching board	2017-2023
-Peer review for International Scientific Journals	
	2009-current
The American Naturalist, Environmental Biology of Fishes, Aquaculture, Journal of Fish Biology, Transactions of the American Fisheries Society, North American Fisheries Management journal, Oikos, Italian Journal of Zoology, Ecology of Freshwater fishes.	
Organisation of Scientific conferences	2024
<u>Mývatn Anniversary Research conference, Skútustaðir, September</u> Organising committee, https://www.holaraquatic.is/myacutevatn-conference-2024.html	2022
<u>Stickleback Behaviour and Evolution conference, at Hólar University, July</u> Organising committee, https://www.holaraquatic.is/stickleback-2022.html	2021
<u>Vistís 2021 Ecological society of Iceland</u> at Hólar University, Scientific committee,	2019
<u>Vistís 2019 Ecological society of Iceland</u> at Hólar University, Organising committee,	2017
<u>Vistís 2017 Ecological society of Iceland</u> at Hólar University, 28-29th of April Organising and scientific committee, and chair of one session in the scientific program	2009-2013
<u>Evolution of divergence and speciation models of specific systems Workshop, FROspects</u> , ESF Research Networking Programme 8 th and 9 th International Workshops on salmonids smoltification.	
- <i>Volunteer</i> in scientific conferences	2008-2009-2010
Logistic and welcoming of all scientists at the "Evolution of divergence and speciation models of specific systems" Workshop, Official Note-taker at the State of Salmon Conference in Portland, OR, May 2010, Oregon Chapter of American Fisheries Society, International Smolt Workshop, Research Advances in Fisheries and Wildlife and Ecology Symposium.	

Member of societies

Fisheries Society of the British Isles, BIODICE, International Society for Limnology
Society for experimental Biology
The Linnean Society of London, the Icelandic Ecological Society, Animal Behaviour
La Société Française d'Ecologie, the Icelandic Biological Society,
Sigma Xi, The Scientific Research Society,
American Fisheries Society
European Society for Evolutionary Biology
Freshwater Illustrated

current
2021-2022
2017- current
2013-2017
2011-2016
2009-2012
2009-2020
2009-2013

REFERENCES

- Pr. Bjarni K. Kristjánsson, Aquaculture and Fish Biology Department, Hólar University
Email: Bjakk@mail.holar.is, Phone: (00 354) 455-6386
- Pr. Carl B. Schreck, Oregon Cooperative Fish & Wildlife Research Unit, Oregon State University, Corvallis, OR, USA
Email: Carl.Schreck@oregonstate.edu Phone: (001 541) 737-1953, Fax: (001 541) 737-3590
- Pr. Skúli Skúlason, Aquaculture and Fish Biology Department, Hólar University, and Iceland Museum of Natural History
Email: Skuli@mail.holar.is Phone: (00 354) 455-6302
- Pr. Katja J. Rasanen, Department of Biological and Environmental Sciences, Univeristy of Jyväskylä, Finland
Email: Katja.j.rasanen@ju.fi Phone: (00 358) 50 4751 410