

Camille A. Leblanc
Hólar University,
Háeyri 1, 550 Sauðárkrókur, ICELAND
(00 354) 868-3689
camille@holar.is
<https://www.holaraquatic.is/camille-a-leblanc.html>

Nationality: French

Languages: French (native), English (fluent), Icelandic (good understanding), Spanish (basic)

Research interests: evolution- ecology- development interactions, parental effects, behavioral ecology of fishes, biodiversity and conservation, fish movement, and breeding. Study systems: fishes, aquatic invertebrates.

Bibliometrics (24.2.2021): 16 peer-reviewed publications; **h-index:** 8, **total citations:** 193; Google scholar: <https://scholar.google.com/citations?user=6EHjsRUAAAIA&hl=en> **Publication list:** p. 5.

ACADEMIC POSITIONS AND EDUCATION

Hólar University Associate professor, and Project leader	July 2020
Hólar University Assistant professor, Lecturer, and Project leader. "The importance of egg size for phenotypic variation and divergence in wild populations". Hólar University , self-funded in 2015-2016. Permanent position from 01-01-2017	2015 -current
Hólar University (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
<i>Gap in research due to maternity leave</i>	<i>Dec 2013-May 2014</i>
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.	Fall 2011
University of Iceland (Reykjavik, Iceland) / Oregon State University (Oregon, USA) Ph.D. in Biology, "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". Principal Investigators: Pr. David L.G. Noakes and Pr. Carl B. Schreck. Employer: Pacific Ocean System Tracking.	2008-2010
Hólar University	2007

"Phenotypic plasticity in small benthic Arctic charr (*Salvelinus alpinus*)". Principal investigator: Dr. Bjarni K. Kristjánsson. Employer: Hólar University.

University Pierre et Marie Curie, Paris

2003-2004

"Modeling of hidden-lek in kittiwakes" Principal investigator: Pr. Etienne Danchin. Employer: University Pierre et Marie Curie, Paris, FRANCE

OTHER TRAINING

-Statistical course "Introduction to GLMMs and GAMs", Transmitting Science. 5-days, October 2019

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

Fellow of the Leifur Eiriksson Foundation

2011

RESEARCH FUNDING and award

FUNDING as a main applicant or project leader

Icelandic research Fund RANNÍS, Equipment Grant, (# 181557-0031) **Project Leader: 42.400 €**

2018

"Centre for Animal Behaviour"

AVS research fund: "Egg quality and growth in selected Arctic charr" **Project Leader: 8.400 €.**

2017

Icelandic research Fund RANNÍS, Project Grant, (# 162893-051) **Project Leader: 320.000 €.**

2016-2018

Icelandic Research Fund RANNÍS, Project Grant (#141360-051), **Project Leader: 195.000 €.**

2014-2016

Landsvirkjun Energy Research Fund, **Project leader: 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

AWARDS

Gerry FitzGerald award, best student poster presentation

2008

Ecological and Evolutionary Ethology of Fishes conference. "Does egg size affect behaviour and morphology of Arctic charr?"

2006

Best student poster presentation at the Fifth International Charr Symposium, August

"Long and short term temperature variations in Arctic charr juveniles foraging behaviour and mobility (*Salvelinus alpinus*, L.)".

FUNDING as a co-applicant

Icelandic research Fund RANNÍS, Research grant, (# 19) **co-applicant:**

2019

*Evolution of cognition: a study of sympatric morphs of Arctic charr (*Salvelinus alpinus*). Project leader David Benhaim, Hólar University*

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

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

TEACHING AND SUPERVISORY ACTIVITIES

Courses taught at Hólar University

"Klak og hrogn", 6 ECTS. "Fish reproduction"

Course coordinator and supervisory teacher; 40 lectures. Diploma program in Aquaculture (undergraduate and graduate course). Hólar University. Taught every year from 2015

"**Behavioural Ecology**" with a special focus on aquatic species, **6 ECTS** (Course coordinator and supervisory teacher, 30 lectures + laboratory), graduate course. Hólar University. Taught every year from 2013-2016, and again in 2019-2020.

„**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 2018-2019.

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

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

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

"**Fish reproduction and egg quality in aquaculture**", **15hrs, UNU-FTP program**. Taught every year from 2014.

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

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.:

2017: Marie Birault, advisor, project to 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:

2019 -2022– Marion Dellinger, PhD. project, University of Iceland

2018 -2020– Benjamin Andrews, MSc. project, Hólar University

2016-2019 – Lisandrina Mary – PhD project, Universite de Chambéry, France

2013 -2018 Doriane Combot – M.Sc. project, Hólar Univeristy

- External examiner/opponent for graduate students final defense:

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.:

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.

2008: Matthieu Besson, 18 ECTS project, advisor, Universite de la Rochelle, France

2007: Soizic Le Deuff, 18 ECTS project, advisor, INTECHMER, France

PUBLICATIONS

Manuscripts in peer-reviewed scientific journals

Total: 16 articles published or in press. H-index: 8; 194 citations <http://scholar.google.is/citations?user=6EHjsRUAAAAJ&hl=en&oi=ao>

(*corresponding or senior author; °own student or post doc)

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)

Pending - Mittell, Elizabeth; Leblanc, Camille; Kristjánsson, Bjarni; Ferguson, Moira; Rasanen, Katja; Morrissey, Michael. Spatiotemporal variation in individual growth rates in small isolated populations of Arctic charr (*Salvelinus alpinus*). *Journal of Animal Ecology*. (CON, DAT, FUN, MET, ADM, RES, SUP, VAL, WRO, WRE)

Pending - Quentin J- Horta-Lacueva, Sigurður Snorrason, M. Morrissey, Camille A. Leblanc, and Kalina H. Kapralova. Multivariate distributions of behavioural, morphological, and ontogenetic traits in hybrids bring new insights into the divergence of sympatric Arctic charr morphs. *BioRxiv*. 10.1101/2020.10.14.339911. (CON, MET, RES, WRE)

Pending- Ignacy T. Dębicki, Elizabeth A. Mittell, Bjarni K. Kristjánsson, Camille A. Leblanc, Michael B. Morrissey, & Kasim Terzić. Re-identification of individuals from images using spot constellations; a case study in Arctic charr (*Salvelinus alpinus*). *Royal Society Open Science*. Submitted. (DAT, FUN, ADM, RES, SUP, WRE).

16- Samantha V. Beck°, 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*. (CON, FUN, INV, MET, ADM, RES, SUP, WRO, WRE).

15- Agnes-Katharina Kreiling, O’Gorman, Eoin; Palsson, Snaebjorn; Benhaim, David; **Leblanc. C.**, Ólafsson, Jón; Kristjánsson, Bjarni K. Kristjánsson. 2020. 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).

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***, K. 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

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°, 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)*. (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

DMS Distance and Mediation of knowledge

Distances et médiations des savoirs, « Conversation islandaise avec Erla Björk Örnólfsdóttir et Camille Leblanc », <http://dms.revues.org/1698>

2017

Ph.D. Thesis : the importance of egg size for the diversity of Salmonids, 130pp

http://skemman.is/stream/get/1946/10867/26866/1/PHD_Camille_Leblanc_A4_HI.pdf

2011

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

- 2021**
- 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”*
- 2020**
- The fourth conference of the Nordic Society OIKOS, Reykjavik, Iceland*
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”
Camille
- 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**
- Applied Evo 2012, Evolutionary ecology and management of aquatic ecosystems, EAWAG, Switzerland*
“Fine scale diversity of small benthic cave dwelling Arctic charr”
- 2011**

American Fisheries Society, Seattle, WA, USA

"Monitoring estuarine survival of steelhead trout using acoustic telemetry"

2010

R- VON, University of Iceland, Reykjavik, Iceland

"Maternal effects and biodiversity of fishes"

Conference on Electronic Tagging Studies of Salmon Migration, Bodega Bay, CA, USA

"Monitoring estuarine survival of steelhead trout (*Oncorhynchus mykiss*) smolts in Oregon coastal rivers using acoustic telemetry"

State of Salmon International Conference, Portland, OR, USA

-Poster "Consequences of egg size in Hatchery and Wild steelhead trout (*Oncorhynchus mykiss*)".

Oregon Chapter of American Fisheries Society, Eugene, OR, USA

-Poster: "Seasonality and sizes of salmonids smolts in Fall Creek, OR".

Pacific States Marine Fisheries Commission Meeting,

-Poster: "Seasonality and sizes of salmonids smolts in Fall Creek, OR".

Steelhead management meeting, Redmond OR, USA

-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

Poster: „Does egg size affect behaviour and morphology of Arctic charr?"

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

International Smolt Workshop, Corvallis, OR,

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

International Ethology Conference, Rennes, France

- "Does egg size affect behavior and morphology of Arctic charr (*Salvelinus alpinus*, L).

- Poster "Impact of a new artificial shelter on Arctic charr (*Salvelinus alpinus*) behavior and culture performances during the endogenous feeding period"

POST conference, Vancouver, Canada

"Migration, Physiology and Behavior of steelhead trout in Oregon".

Oregon Chapter of American Fisheries Society, Bend, OR

-Poster"Impact of a new artificial shelter on Arctic charr behavior and culture performances during the endogenous feeding period".

2008

Ecological and Evolutionary Ethology of Fishes Conference, Boston

Poster : "Evidence for an inherent variation in behavior of Arctic charr juveniles".

2007

Fifth Annual Symposium: Research Advances in Fisheries, Wildlife & Ecology, November 2007, Oregon State University, USA.

"Maternal effects on behavior and life histories of fishes".

2006

5th International Charr symposium, Reykjavik, Iceland

- "Foraging behaviour in Arctic charr juveniles (*Salvelinus alpinus*, L.): impact of body size and social environment". Camille Leblanc, S. Skúlason, D. Benháim, and B. R. Hansen. August, 2006, Reykjavik Iceland.

-Poster"Long and short term temperature variations in Arctic charr juveniles foraging behaviour and mobility (*Salvelinus alpinus*, L)." Camille Leblanc, S. Skúlason, D. Benháim, and B. R. Hansen. August, 2006, Reykjavik Iceland.

Other presentations

(*student presentations)

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 2018](#). 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 Kristjánsson, Skúli Skúlason and [Camille Leblanc](#). How do ecological factors shape intraspecific biodiversity in Arctic fishes. Arctic Biodiversity Congress 2018. Rovaniemi Finland.

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 – Gjárlontur og annað lífríki hruanhella í Mývatnssveit. [Fræðsluerindi á aðalfundi Fjöreggs, félags um náttúruvernd og heilbrigðs umhverfis í Mývatnssveit](#). 12. apríl 2018

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 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. 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, Czeck 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 universities:

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“

<i>University of Glasgow, invited speaker, Spring</i> Bjarni K. Kristjánsson, <u>Camille Leblanc</u> , Skúli Skúlason, The origin and maintenance of the extended phenotype..	2017
<i>Fræðsluerindi á vegum Hins íslenska náttúrufræðifélags, Reykjavík</i> Bjarni K. Kristjánsson & <u>Camille A. Leblanc</u> , Lífið í hrauninu – lífríki í vatnsfylltum hraunhellum í Mývatnssveit, 30. Október	
<i>Hólar University, Seminar</i> "The interplay between ecology and evolution at small spatial scales: insight from Arctic charr in lava caves". <u>Camille Leblanc</u> , Bjarni K. Kristjánsson Katja Räsänen , Sigurður Snorrason , Árni Einarsson, Michael Morrissey , Moira Ferguson & Skúli Skúlason	2016
"Origin and maintenance of the extended phenotype". Bjarni, K. Kristjánsson, <u>Camille Leblanc</u> , and Skúli Skúlason	
<i>Departmental seminar at the Institute of Biology, Háskóli Íslands, Reykjavík</i> "Origin and maintenance of the extended phenotype" Bjarni, K. Kristjánsson, <u>Camille Leblanc</u> , and Skúli Skúlason	
<i>Seminar at Hólar University</i> "The importance of ecology, phenotype and genetic structure for diversity in Icelandic Arctic charr (<i>Salvelinus alpinus</i>)"	2015
<i>Departmental seminar at EAWAG, Dubendorf, Switzerland</i> "The importance of ecology, phenotype and genetic structure for diversity in Icelandic Arctic charr (<i>Salvelinus alpinus</i>)"	2012
<i>Departmental seminar at the Institute of Biology, Háskóli Íslands, Reykjavík</i> "The importance of egg size for the diversity of Salmonids", October.	2011
<i>Oregon Hatchery Research Center, Corvallis, OR, USA</i> "Seasonality and sizes of salmonids smolts in Fall Creek, OR". Advisory committee.	2009
<i>Department seminar, Oregon State University, Corvallis, OR, USA</i> "Maternal effects in Fishes".	
<i>Sixth International Salvelinus Symposium, Stirling, Scotland</i> Mechanisms of divergence in Arctic Charr: The importance of reproductive styles and developmental constraints. S. Skúlason, <u>C. Leblanc</u> & S.S. Snorrason.	

PROFESSIONAL SERVICE (most recent)

-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	2020
-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 board	2017- current
-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.	
-Organizing and scientific committee at conferences	
<u>Vistís 2019 Ecological society of Iceland</u> at Hólar University, Organising committee,	2019
<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	2017
	2009-2013

Evolution of divergence and speciation models of specific systems Workshop, FROspects, ESF Research Networking Programme
8th and 9th International Workshops on salmonids smoltification.

-*Volunteer* in scientific conferences

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.

2008-2009-2010

Volunteer for Fishing Day weekend, OR
Oregon Hatchery Research Center. Two days.

2009-2010

Member of societies

The Linnean Society of London, the Icelandic Ecological Society, the Icelandic Biological 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

2017- current
2013-2017
2011-2016
2009-2012
2009-2016
2009-2013

REFERENCES

- Pr. Bjarni K. Kristjánsson, Head of the Aquaculture and Fish Biology Department, Hólar University
Email: Bjakk@mail.holar.is, Phone: (00 354) 455-6386
- Pr. David Noakes, Oregon State University, Fisheries and Wildlife
Email: David.Noakes@oregonstate.edu Phone: (001 541) 737-1953 - *Deceased*
- Pr. Carl B. Schreck, Oregon Cooperative Fish & Wildlife Research Unit, Oregon State University
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
Email: Skuli@mail.holar.is Phone: (00 354) 455-6302
- Dr. Benhaim David, Aquaculture and Fish Biology Department, Hólar University
Email: benhaim@holar.is