

Camille A. Leblanc  
Hólar University College  
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## EDUCATION and TRAINING

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University of Iceland (Reykjavik, Iceland) / Oregon State University (Oregon, USA) <b>Ph.D. in Biology,</b> "The Importance of Egg size for the Diversity of Salmonids".	<b>2007-2011</b>
Ecole Normal Supérieure/ INAPG (Paris, France) <b>M. Sc. in Ecology, Evolution and Animal behaviour.</b> "Maternal effects on foraging behaviour of Arctic charr ( <i>Salvelinus alpinus</i> ): implications for aquaculture and ecology."	<b>2004-2006</b>
Université de Bretagne Occidentale, (Brest, France) <b>B.Sc. with honors Biology and Marine biology.</b> Third year of the B.Sc. in Marine biology with toxicology option	<b>2003-2004</b>
National Institute of Techniques and Sciences of the sea, INTECHMER (Cherbourg, France) First and second year of B.Sc. "Biological engineering and Aquaculture"	<b>2001-2003</b>
Other training:	
	<b>2019</b>
Biomedical Center, University of Iceland and the two departments 'Animal and Veterinary Sciences' and 'Experimental Medicine' at the University of Copenhagen <b>FELASA accredited EU Function ABD Laboratory Animal Science Course</b>	<b>2016</b>
Fellow of the Linnean Society of London	<b>2011</b>
Fellow of the Leifur Eiriksson Foundation	

## RESEARCH FUNDING and award

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### *FUNDING as a main applicant or project leader*

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

### *AWARDS*

<b>Gerry FitzGerald award, best student poster presentation .</b> <i>Ecological and Evolutionary Ethology of Fishes conference. "Does egg size affect behaviour and morphology of Arctic charr?"</i>	<b>2008</b>
<b>Best student poster presentation at the Fifth International Charr Symposium, August</b> "Long and short term temperature variations in Arctic charr juveniles foraging behaviour and mobility ( <i>Salvelinus alpinus</i> , L.)".	<b>2006</b>

### *FUNDING as a co-applicant:*

<b>Icelandic research Fund RANNÍS, Equipment Grant, (# 19) co-applicant: Evolution of cognition: a study of sympatric Morphs of Arctic charr (<i>Salvelinus alpinus</i>)</b>	<b>2019</b>
<b>Icelandic research Fund RANNÍS, Equipment Grant, (# 171428-031) co-applicant: Centre for fish energetics</b>	<b>2017</b>

## Other fundings (most recent)

### 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	

## RELATED EXPERIENCE AND RESEARCH

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Hólar University College <b>Assistant professor, Lecturer, and Project leader.</b> "The importance of egg size for phenotypic variation and divergence in wild populations". Hólar University college, self-funded in 2015-2016. Permanent position from 01-01-2017	2015 -current
Hólar University College <b>Post- doctorate.</b> "The importance of ecology, phenotype and genetic structure for biological diversity in Icelandic cave charr". Principal Investigator: Pr. Skúli Skúlason. Employer: Hólar University college, funded by RANNÍS.	2012 -2015
Gap in research due to maternity leave	Dec 2013-May 2014
Hólar University College <b>Post-doctorate.</b> "Diet specialization and behaviour in small benthic Arctic charr". Principal Investigator: Dr. Bjarni K. Kristjánsson. Employer: Hólar University college.	Fall 2011
Oregon State University / Pacific Ocean Shelf Tracking (POST project) <b>Research assistant.</b> "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 College <b>Research assistant.</b> "Phenotypic plasticity in small benthic Arctic charr ( <i>Salvelinus alpinus</i> )". Principal investigator: Dr. Bjarni K. Kristjánsson. Employer: Hólar University college.	2007
University Pierre et Marie Curie <b>Research assistant.</b> "Modeling of hidden-lek in kittiwakes". Principal investigator: Pr. Etienne Danchin. Employer: University Pierre et Marie Curie, Paris, FRANCE	2003-2004

## TEACHING AND SUPERVISORY ACTIVITIES

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### Courses taught at Hólar University College

- "**Klak og hrogn**", 6 ECTS. **Fish reproduction with a special focus on aquaculture species.**  
Course coordinator and supervisory teacher; 40 lectures. Diploma program in Aquaculture (undergraduate course). Hólar University College.  
Taught every year from 2015
- "**Behavioural Ecology**" with a special focus on aquatic species, **10 ECTS** (Course coordinator and supervisory teacher, 30 lectures + laboratory),  
graduate and undergraduate course. Hólar University College. Taught every year from 2013-2016.
- Topics in aquatic biology, 6 ECTS.** Graduate course. Hólar University College. Taught in 2018
- Statistics in R, 6 ECTS.** (half day) Graduate course. Hólar University College. Taught in 2018
- "**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 College
- Research course, 10 ECTS** (Course coordinator and supervision, 30-50hrs supervision). Hólar University College. Taught from 2014-2016

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

## 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 College

**2012** - Romain Theysset, M.Sc. Project (60 ECTS), co-advisor, Hólar University College, (Did not graduate)

- Committee member of graduate students:

**2016** – Lisandrina Mary – PhD project, Universite de Chambery, France

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

- External examiner for graduate students:

**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, 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: 13 articles published or in press. H-index: 6; 102 citations <http://scholar.google.is/citations?user=6EHjsRUAAA&hl=en&oi=ao>

*PLoSone*. 10.1371/journal.pone.0213061

"Subtle temperature increase can interact with individual size and social context in shaping phenotypic traits of a cold water fish"  
**Camille A. Leblanc**, K. Horri, Skúli Skúlason, and David Benhaim.

**2019**

*Biological reviews*, in press

"A way forward with eco evo devo: an extended theory of resource polymorphism with postglacial fishes as model systems"  
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, **Camille A. Leblanc**, Zophonías Jónsson, Gunnar Öhlund, Carl Smith and Sigurður S. Snorrason.

*Evolution and Development*. DOI: 10.1111/ede.12275

"Gene expression in the phenotypically plastic Arctic charr (*Salvelinus alpinus*): a focus on growth and ossification at early stages of development"  
Samantha V. Beck, Katja Räsänen, Ehsan P. Ahi, Bjarni K. Kristjánsson, Skúli Skúlason, Zophonías O. Jónsson, **Camille A. Leblanc**

**2018**

*Ecology and Evolution*. DOI: 10.1002/ece3.3761

"Variation in the magnitude of morphological and dietary differences between individuals among populations of small benthic Arctic charr in relation to ecological factors."

Bjarni K. Kristjánsson and **Camille A. Leblanc**,

*Evolutionary Biology*. DOI 10.1007/s11692-017-9433-8

"Egg size vs. number of offspring trade-off: female age rather than size matters in a domesticated Arctic charr population."  
Emilien Lasne, **Camille A. Leblanc**, Christian Gillet

*Ecology of Freshwater Fishes*. DOI:10.1111/eff.12380

"Phenotypic plasticity in the morphology of small benthic Icelandic Arctic charr (*Salvelinus alpinus*)"  
Kristjánsson B.K., **Camille A. Leblanc**, S. Skúlason Snorrason S., and David L.G. Noakes.

**2016**

*Aquaculture Research* doi: 10.1111/are.12566

"The importance of egg size and egg energy density for early size patterns and performance of Arctic charr *Salvelinus alpinus*"  
**Leblanc C.**, Kristjánsson B. K., and Skúlason S.

*Ecology of Freshwater Fishes* DOI: 10.1111/eff.12242

"Sex-biased survivorship and differences in migration of wild steelhead (*Oncorhynchus mykiss*) smolts from two coastal Oregon rivers".

Neil F. Thompson, **Camille A. Leblanc**, Jeremy D. Romer, Carl B. Schreck, Michael S. Blouin, and David L.G. Noakes

**2014**

*Náttúrufræðingurinn (in Icelandic)*

"Small benthic charr (*Salvelinus alpinus*) in Icelandic springs".  
Kristjánsson B.K., Snorrason S., **Leblanc C.**, Noakes, D. L.G., and Skúlason S.

**2013**

*Environmental Biology of Fishes* doi: 10.1007/s10641-012-0080-8

"Survival and behavior of juvenile steelhead trout (*Oncorhynchus mykiss*) in two estuaries in Oregon".  
Romer J., **Leblanc C.**, Clements S., Ferguson J.A., Kent M.L., Noakes D., and Schreck C.B.

**2012**

*North American Journal of Fisheries Management* doi: 10.1080/02755947.2012.683234

"Visible elastomer implants for marking small Rainbow trout *Oncorhynchus mykiss*".  
**Leblanc C.**, and David L.G. Noakes

**2011**

*Ethology* doi: 10.1111/j.1439-0310.2011.01920

"The Importance of Egg Size and Social Effects for Behaviour of Arctic Charr Juveniles".  
**Leblanc C.**, Benhaim D., Hansen B. R., Kristjánsson B. K., and Skúlason S.

*Aquaculture* doi:10.1016/j.aquaculture.2009.06.024

"Impact on a new artificial shelter on Arctic charr behaviour and culture performance during the endogenous feeding period".  
Benhaim D., **Leblanc. C.**, and Lucas G.

**2009**

## 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](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

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### Presentations as a first author in conferences

*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>

**2018**

*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"

**2017**

*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 College , 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**

*5<sup>th</sup> 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. Benhaïm, 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. Benhaïm, and B. R. Hansen. August, 2006, Reykjavik Iceland.

## Other presentations

(\*student presentations)

**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*). [24<sup>th</sup> 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 Fjöreggsfélags 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 College, 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, 28-29<sup>th</sup> 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, 18-20<sup>th</sup> 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, 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. *8<sup>th</sup> 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. *8<sup>th</sup> 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". 144<sup>th</sup> American Fisheries Society, Annual meeting, Québec, Canada

**2013**

Bjarni K. Kristjánsson, Romain Theyset, [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. 141<sup>th</sup> 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. 6<sup>th</sup> International Charr symposium at Stirling, June.

Skúli Skúlason, [Camille Leblanc](#), Bjarni K. Kristjánsson og Sigurður.S. Snorrason. Tegundamyndun fiska: Mikilvægi æxlunarlíffræði og þroskaferla. 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:

*University of Glasgow, invited speaker, Spring*  
Bjarni K. Kristjánsson, [Camille Leblanc](#), Skúli Skúlason, The origin and maintenance of the extended phenotype..

**2017**

*Fræðsluerindi á vegum Hins íslenska náttúrufræðifélags, Reykjavík*  
Bjarni K. Kristjánsson & [Camille A. Leblanc](#), Lífið í hrauninu – lífríki í vatnsfylltum hraunhellum í Mývatnssveit, 30. Október

*Seminar at Hólar University College*  
"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

**2016**

"Origin and maintenance of the extended phenotype".  
Bjarni, K. Kristjánsson, [Camille Leblanc](#), and Skúli Skúlason

*Departmental seminar at the Institute of Biology, Háskóli Íslands, Reykjavík*  
"Origin and maintenance of the extended phenotype"  
Bjarni, K. Kristjánsson, [Camille Leblanc](#), and Skúli Skúlason



<i>Seminar at Hólar University College</i> "The importance of ecology, phenotype and genetic structure for diversity in Icelandic Arctic charr ( <i>Salvelinus alpinus</i> )"	<b>2015</b>
<i>Departmental seminar at EAWAG, Dübendorf, Switzerland</i> "The importance of ecology, phenotype and genetic structure for diversity in Icelandic Arctic charr ( <i>Salvelinus alpinus</i> )"	<b>2012</b>
<i>Departmental seminar at the Institute of Biology, Háskóli Íslands, Reykjavík</i> "The importance of egg size for the diversity of Salmonids", October.	<b>2011</b>
<i>Oregon Hatchery Research Center, Corvallis, OR, USA</i> "Seasonality and sizes of salmonids smolts in Fall Creek, OR". Advisory committee.	<b>2009</b>
<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, C. Leblanc & S.S. Snorrason.	

## PROFESSIONAL SERVICE (most recent)

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-Member of the board for the Arctic charr breeding program, Minister of the Industry and Innovation Representing Hólar University College Breeding program in the board	<b>2018-2019</b>
-Teaching committee at Hólar University College Representing the department of Aquaculture and Fish biology at the University board	<b>2017- current</b>
-Peer review for International Scientific Journals	<b>2009-current</b>
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 2017 Ecological society of Iceland</u> at Hólar University College, Organising committee,	<b>2019</b>
<u>Vistís 2017 Ecological society of Iceland</u> at Hólar University College, 28-29th of April Organising and scientific committee, and chair of one session in the scientific program	<b>2017</b>
<u>Evolution of divergence and speciation models of specific systems Workshop, FROspects</u> , ESF Research Networking Programme 8 <sup>th</sup> and 9 <sup>th</sup> International Workshops on salmonids smoltification.	<b>2009-2013</b>
- <i>Volunteer</i> in scientific conferences	<b>2008-2009-2010</b>
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.	
<i>Volunteer for Fishing Day weekend, OR</i> Oregon Hatchery Research Center. Two days.	<b>2009-2010</b>

## 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	<b>2017- current</b> <b>2013-2017</b> <b>2011-2016</b> <b>2009-2012</b> <b>2009-2016</b> <b>2009-2013</b>
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## REFERENCES

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- Pr. Carl B. Schreck, Oregon Cooperative Fish & Wildlife Research Unit, Oregon State University  
Email: [Carl.Schreck@oregonstate.edu](mailto:Carl.Schreck@oregonstate.edu) Phone: (001 541) 737-1953, Fax: (001 541) 737-3590
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