

Ben J. G. Sutherland

Postdoctoral Fellow

Molecular Genetics, Pacific Biological Station, Fisheries and Oceans Canada
& The University of British Columbia, Vancouver, BC

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ACADEMIC POSITIONS AND EDUCATION

- 2017-*present* Postdoctoral Researcher at the University of British Columbia and Fisheries and Oceans Canada, British Columbia, BC, Canada
2014-2017 Postdoctoral Researcher at Université Laval, Québec, QC, Canada
2008-2014 Ph.D. Biology, University of Victoria, Victoria BC Canada
2004-2008 B.Sc. Biology (Honours), Thompson Rivers University, Kamloops, BC Canada

FELLOWSHIPS

- 2016 Postdoctoral Fellowship Fonds de recherche Santé Quebec (\$30,000 over 1 yr) - *renewal*
2014 Postdoctoral Fellowship NSERC (\$90,000 over 2 yr)
2014 Postdoctoral Fellowship Fonds de recherche Santé Quebec (\$60,000 over 2 yr) – *offered and declined*
2012 Alexander Graham Bell Canadian Graduate Scholarship NSERC (\$70,000 over 2 yr)
2008 Graduate Fellowship, University of Victoria (\$52,000 over 4 yr)

AWARDS & SCHOLARSHIPS

- 2016 RAQ Postdoctoral Travel Award (\$500)
2014 Best student oral presentation at Sea Lice 2014, Portland, Maine
2012 UVic President's Research Scholarship (\$4,000)
2011 Bob Wright Graduate Scholarship (\$11,500)
2011 Maureen De Burgh Memorial Scholarship (\$412)
2011 B&C Food Distributors Graduate Scholarship (\$1,500)
2010 Best poster presentation at Ecol. and Evol. Ethology of Fishes, Vancouver, BC (\$350)
2008 W. Gordon Fields Memorial Fellowship (\$1,450)

PUBLICATIONS

In review and/or pre-publication preprints:

Sutherland B. J. G., Prokkola J. M., Audet C., Bernatchez L., 2018 Sex-specific and conserved gene co-expression networks underlie phenotypes within the paleopolyploid *Salvelinus* genus (Family Salmonidae). bioRxiv.

Peer-reviewed journal articles:

18. Moore J.-S., Harris L. N., Le Luyer J., **Sutherland B. J. G.**, Rougemont Q., Tallman R. F., Fisk A. T., Bernatchez L., 2017 Genomics and telemetry suggest a role for migration harshness in determining overwintering habitat choice, but not gene flow, in anadromous Arctic Char. *Mol. Ecol.*: **26**(24), 6784-6800.
17. Poley J. D.* , **Sutherland B. J. G.***, Fast M. D., Koop B. F., Jones S. R. M., 2017 Effects of the vertically transmitted microsporidian *Facilispora margolisi* and the parasiticide emamectin benzoate on salmon lice (*Lepeophtheirus salmonis*). *BMC Genomics* **18**: 630. (*equal contributors)
16. Benestan L., Moore J.-S., **Sutherland B. J. G.**, Le Luyer J., Maaroufi H., Rougeux C., Normandeau E., Rycroft N., Atema J., N Harris Les, Tallman R. F., Greenwood S. J., Clark K. F., Bernatchez L., 2017 Sex matters in Massive Parallel Sequencing: Evidence for biases in genetic parameter estimation and investigation of sex determination systems (From The Cover). *Mol. Ecol.*: **26**(24), 6767-6783.
15. **Sutherland B. J. G.**, Rico C., Audet C., Bernatchez L., 2017 Sex chromosome evolution, heterochiasmy, and physiological QTL in the salmonid Brook Charr *Salvelinus fontinalis*. *G3 - Genes|Genomes|Genetics* **7**: 2749–2762.
14. **Sutherland B. J. G.**, Covello J. M., Friend S. E., Poley J. D., Koczka K. W., Purcell S. L., MacLeod T. L., Donovan B. R., Pino J., Gonzalez-Vecino J. L., Gonzalez J., Troncoso J., Koop B. F., Wadsworth S., Fast M. D., 2017 Host–parasite transcriptomics during immunostimulant-enhanced rejection of salmon lice (*Lepeophtheirus salmonis*) by Atlantic salmon (*Salmo salar*). *FACETS* **2**: 477–495.
13. Narum S. R., Gallardo P., Correa C., Matala A., Hasselman D., **Sutherland B. J. G.**, Bernatchez L., 2017 Genomic patterns of diversity and divergence of two introduced salmonid species in Patagonia, South America. *Evol Appl* **10**: 402–416.
12. Braden L. M., **Sutherland B. J. G.**, Ben F Koop, Jones S. R. M., 2017 Enhanced transcriptomic responses in the Pacific salmon louse *Lepeophtheirus salmonis oncorhynchi* to the non-native Atlantic Salmon *Salmo salar* suggests increased parasite fitness. *BMC Genomics* **18**: 110.
11. **Sutherland B. J. G.**, Gosselin T., Normandeau E., Lamothe M., Isabel N., Audet C., Bernatchez L., 2016 Salmonid chromosome evolution as revealed by a novel method for comparing RADseq linkage maps. *Genome Biology and Evolution* **8**: 3600–3617.
10. Poley JD, **Sutherland BJG**, Jones SRM, Koop BF and Fast MD (2016). Sex-biased gene expression and sequence conservation in Atlantic and Pacific salmon lice *Lepeophtheirus salmonis*. *BMC Genomics* **17**, 483.
9. Müller A, **Sutherland BJG**, Koop BF, Johnson SC, Garver KA (2015). Infectious hematopoietic necrosis virus (IHNV) persistence in Sockeye Salmon: influence on brain transcriptome and subsequent response to the viral mimic poly(I:C). *BMC Genomics* **16**, 634.
8. **Sutherland BJG**, Poley JD, Igboeli OO, Jantzen JR, Fast MD, Koop BF, Jones SRM (2015). Transcriptomic responses to emamectin benzoate in Pacific and Atlantic Canada salmon lice *Lepeophtheirus salmonis* with differing levels of drug resistance. *Evolutionary Applications* **8**(2), 133-148.

7. **Sutherland BJG**, Koczka KW, Yasuike M, Jantzen SG, Yazawa R, Koop BF, Jones SRM (2014). Comparative transcriptomics of Atlantic *Salmo salar*, chum *Oncorhynchus keta* and pink salmon *O. gorbuscha* during infections with salmon lice *Lepeophtheirus salmonis*. *BMC Genomics* **15**, 200.
6. **Sutherland BJG**, Hansen K, Jantzen JR, Koop BF, Smith, CR (2014). Divergent immunity and energetic programs in the gills of migratory and resident *Oncorhynchus mykiss*. *Molecular Ecology* **23**(8), 1952-1964.
5. Sahlmann C, **Sutherland BJG**, Kortner TM, Koop BF, Krogdahl A, Bakke AM (2013). Early response of gene expression in the distal intestine of Atlantic Salmon (*Salmo salar* L.) during the development of soybean meal induced enteritis. *Fish & Shellfish Immunology* **34**(2), 599-609.
4. **Sutherland BJG**, Jantzen SG, Yasuike M, Sanderson DS, Koop BF, Jones SRM (2012). Transcriptomics of coping strategies in free-swimming *Lepeophtheirus salmonis* (Copepoda) larvae responding to abiotic stress. *Molecular Ecology* **21**(24), 6000-6014.
3. Jantzen SG*, **Sutherland BJG***, Minkley DR, Koop BF (2011). GO Trimming: Systematically reducing redundancy in large Gene Ontology datasets. *BMC Research Notes* **4**, 267. (*equal contributors)
2. Pavey SA, **Sutherland BJG**, Leong J, Robb A, von Schalburg K, Hamon T, Koop B, Nielsen J (2011). Ecological transcriptomics of lake-type and riverine Sockeye Salmon (*Oncorhynchus nerka*). *BMC Ecology* **11**, 31.
1. **Sutherland BJG**, Jantzen SG, Sanderson DS, Koop BF, Jones SRM (2011). Differentiating size-dependent responses of juvenile Pink Salmon (*Oncorhynchus gorbuscha*) to sea lice (*Lepeophtheirus salmonis*) infections. *Comparative Biochemistry and Physiology D-Genomics & Proteomics* **6**(2), 213-223.

INVITED PRESENTATIONS (*presenting author)

Invited presentations:

- 2018 **B.J.G. Sutherland***. Conservation Genomics. Lecture to the Summer Internship for Indigenous Peoples in Genomics Canada (SING), Simon Fraser University, BC, Canada (Aug. 3). Press coverage: <https://vancouver.sun.com/news/local-news/indigenous-students-take-on-genomics-in-new-research-program>
- 2018 **B.J.G. Sutherland***. Whole genome duplication and gene co-expression networks in salmonid fishes. Departmental Seminar (Biology), University of Victoria, BC, Canada (Mar. 2).
- 2017 Kristi Miller* & **B.J.G. Sutherland***. Presentation of preliminary results for the eDNA project to the Canada C3 participants. Pacific Biological Station, Nanaimo, BC, Canada. Press coverage: <http://vancouver.sun.com/news/local-news/dna-tests-on-water-samples-provide-glimpse-into-biodiversity-on-canadas-coastline>
- 2015 & 2016 **B.J.G. Sutherland***, S.R.M. Jones and B.F. Koop. Context-dependent interactions: salmon and salmon lice. *Guest lecturer* for Prof. J. Brodeur's Parasitology course at University of Montréal, Montréal, Québec, Canada.

- 2014 **B.J.G. Sutherland***. “Comparative transcriptomics in salmonids and their parasites: predictive smoltification markers and drug resistance traits.” Seminar at University of Prince Edward Island, Charlottetown, PEI, Canada.
- 2014 D.R. Minkley* and **B.J.G. Sutherland***. “There’s something fishy about this genome!” Oral (Pecha Kucha-style) presentation for students and public at the Centre for Biomedical Research, Pecha Kucha Biomedica. Victoria, BC, Canada.
- 2013 B.F. Koop and **B.J.G. Sutherland***. “Genomics in lice and salmon (GiLS) project provides new tools and mechanisms for understanding louse biology.” Oral presentation at World Aquaculture. Nashville, Tennessee, USA. *Multimedia available at:* http://aquacomgroup.com/Page_sections/Multimedia/Sea_Lice_AA2013/Sea_Lice_AA2013_main.html
- 2013 **B.J.G. Sutherland***. “Sea lice and salmon – using gene expression to understand parasite stress and host susceptibility.” Oral presentation for the Trainees in Biomedical Research Seminar Series. Victoria, BC, Canada
- 2011 **B.J.G. Sutherland***. “Comparative susceptibilities.” Oral presentation for Managing for Uncertainty: Pathogens and Diseases in Pacific Salmon Invitational Scientists’ Think Tank. Vancouver, BC, Canada
- 2010 **B.J.G. Sutherland***, S.G. Jantzen, J. Leong, S.R.M. Jones and B.F. Koop. “*L. salmonis* and Pacific salmon – Interactions, Sensitivities and Tools.” Oral presentation for Microtek International (Pfizer). Victoria, BC, Canada

Contributed presentations and posters:

- 2018 K.M. Miller*, **B.J.G. Sutherland**, A. Tabata, A. Schulze, D. Callander, S. Li, C.M. Neville, B.P.V. Hunt. Environmental DNA for marine biodiversity surveys and quantification. Oral presentation at the ICES meeting in Hamburg, Germany (forthcoming: Sept. 24-27).
- 2018 **B.J.G. Sutherland**, T. Beacham, K.M. Miller*. In-field real-time sequencing for stock assessment and biodiversity monitoring. Poster presentation at the ICES meeting in Hamburg, Germany (forthcoming: Sept. 24-27).
- 2018 **B.J.G. Sutherland***. The value of chromosomal information for studies in salmonid evolution, population genomics and transcriptomics. Oral presentation at the Coastwide Salmonid Genetics meeting in Mukilteo, USA (June 16-19). Video available here: <https://youtu.be/dzZYUoYaDEU>
- 2017 J-S. Moore*, L. Harris, J. Le Luyer, **B.J.G. Sutherland**, Q. Rougemont, R.F. Tallman, A.T. Fisk, L. Bernatchez. Migration harshness drives habitat choice and local adaptation in anadromous Arctic char: evidence from integrating genomics and acoustic telemetry. Poster presentation at the Canadian Conference for Fisheries Research (CCFR) in Montréal, QC, Canada (Jan. 5-8).
- 2016 **B.J.G. Sutherland***, C. Audet, L. Bernatchez. Chromosome sexuel, frequencias de recombinaison dans chaque sexe et marqueurs lies aux traits phénotypique suite à une duplication entiere du génome salmonidé chez l’omble de fontaine. Oral presentation at the Annual General Meeting of the Ressources Aquatic Québec (RAQ), Québec, QC, Canada. (Nov. 22-23; in French).
- 2016 J.D. Poley*, **B.J.G. Sutherland**, B.F. Koop, M.D. Fast, S.R.M. Jones. Transcriptomics of Pacific salmon lice infected with the microsporidian *Facilispora margolisi* and exposed to Emamectin Benzoate indicates synergistic stressors. Poster presentation at the 11th Sea Lice Conference in Ireland (Sept. 26-28).

- 2016 J.D. Poley*, **B.J.G. Sutherland**, O.O. Igboeli, B.F. Koop, M.D. Fast. Sea lice (*Lepeophtheirus salmonis*) responses to concurrent drug treatments with Emamectin Benzoate and Cypermethrin. Poster presentation at the 11th Sea Lice Conference in Ireland (Sept. 26-28).
- 2016 J.D. Poley*, C. van Iderstine, **B.J.G. Sutherland**, B.F. Koop, M.D. Fast. Drug treatment responses in *Lepeophtheirus salmonis* and need for new solutions in Canada. Oral presentation at the Aquaculture Association of Canada (AAC) 2016 conference (Special Section: Aquatic Animal Health and Integrated Pest Management) in St. John's, NL (Sept. 18).
- 2016 J.D. Poley*, **B.J.G. Sutherland**, S.R.M. Jones, B.F. Koop, M.D. Fast. Transcriptional responses to emamectin benzoate and other stressors in the salmon louse *Lepeophtheirus salmonis*. Invited seminar for DFO Pacific Biological Station, Nanaimo BC, Canada. (July 20).
- 2016 **B.J.G. Sutherland** *, T. Gosselin, E. Normandeau, M. Lamothe, N. Isabel, C. Audet and L. Bernatchez. Salmonid chromosome evolution as revealed by a novel method for comparing RADseq linkage maps. Oral presentation at the Canadian Society for Ecology Evolution conference in St. John's, NL, Canada (July 7-11).
- 2016 E. Normandeau *, **B.J.G. Sutherland**, and L. Bernatchez. Easily compare genetic maps with MapComp. Oral presentation and tutorial at the IBIS Club Bioinfo series, Université Laval, Québec, QC, Canada (March 15; in French).
- 2016 **B.J.G. Sutherland** *, T. Gosselin, E. Normandeau, M. Lamothe, N. Isabel, C. Audet and L. Bernatchez. Novel method for comparing RADseq linkage maps reveals chromosome evolution in salmonids. Oral presentation at the Interlabs-IBIS seminar series, Université Laval, Québec, QC, Canada (Feb. 17).
- 2015 **B.J.G. Sutherland** *, T. Gosselin, E. Normandeau, M. Lamothe, N. Isabel, C. Audet and L. Bernatchez. L'application de la carte génétique haute densité pour l'analyses des caractères quantitatifs du phénotype et de l'expression chez l'omble de fontaine, *Salvelinus fontinalis*. Oral presentation at the Annual General Meeting of the Ressources Aquatic Québec (RAQ), Québec, QC, Canada. (Nov. 10-11; in French).
- 2015 **B.J.G. Sutherland**, T. Gosselin, E. Normandeau, S.A. Pavé, L. Letourneau, M. Lamothe, N. Isabel, C. Audet and L. Bernatchez. High-density genetic map, phenotypic and (co)expression QTL analysis, and first draft genome assembly of the pseudotetraploid Brook Charr *Salvelinus fontinalis*. Poster presentation at Evolutionary and Ecological Genomics (Gordon Research Conference), Maine, USA. (July 12-17).
- 2015 J.D. Poley*, **B.J.G. Sutherland**, K. Fitzpatrick, S.K. Whyte, O.O. Igboeli, S.L. Purcell, B.F. Koop, M.D. Fast. Basal gene expression differences between free-floating copepodids and parasitic pre-adult sea lice provides insight on development. Oral presentation at Institutional Sea Lice Conference, Charlottetown, PEI, Canada.
- 2015 J.D. Poley*, **B.J.G. Sutherland**, B.F. Koop, M.D. Fast. A novel multi-drug assay shows distinct sea lice *Lepeophtheirus salmonis* responses to emamectin benzoate and cypermethrin. Oral presentation at the 40th Eastern Fish Health Conference, South Carolina, USA.
- 2015 J.D. Poley*, **B.J.G. Sutherland**, S.R.M. Jones, B.F. Koop, M.D. Fast. Sex-biased gene expression in the salmon louse *Lepeophtheirus salmonis*. Poster presentation at the 9th International Symposium on Fish Parasites, Valencia, Spain (Aug. 31-Sept. 4).

- 2015 L.M. Braden*, **B.J.G. Sutherland**, S.R.M. Jones. Susceptibility to infection by the salmon louse is related to both host and parasite responses. Host-Microbe Interaction Workshop at Plant and Animal Genomics (PAG) XXIII, San Diego, California, USA.
- 2014 A. Müller*, **B.J.G. Sutherland**, B.F. Koop, S.C. Johnson, K.A. Garver. Characterization of the Infectious Hematopoietic Necrosis Virus (IHNV) Carrier State in Sockeye Salmon (*Oncorhynchus nerka*). Poster presentation at Genomics: the Power and the Promise (Genome Canada), Ottawa, Ontario, Canada. Abstract: *Genome*, 57(7): 386-387.
- 2014 L.M. Braden*, **B.J.G. Sutherland**, D.R. Minkley, B.F. Koop, S.R.M. Jones. Host-specific virulence by the sea louse, *Lepeophtheirus salmonis*. Poster presentation at Genomics: the Power and the Promise (Genome Canada) 2014, Ottawa, Ontario, Canada.
- 2014 **B.J.G. Sutherland***, J.D Poley, O.O. Igboeli, J.R. Jantzen, M.D. Fast, B.F. Koop, S.R.M. Jones. Transcriptomics of emamectin benzoate responses in resistant Atlantic and sensitive Pacific salmon lice *Lepeophtheirus salmonis*. Oral presentation at Sea lice 2014, Portland, Maine, U.S.A. (*best student oral presentation*).
- 2014 **B.J.G. Sutherland***, K.C. Hanson, J.R. Jantzen, B.F. Koop, C.T. Smith. Divergent immunity and energetic programs in the gills of migratory and resident *Oncorhynchus mykiss*. Oral presentation at the American Fisheries Society meeting, Québec, QC, Canada, and as part of the Interlabs-IBIS seminar series, Université Laval (invited).
- 2014 S.R.M. Jones*, **B.J.G. Sutherland**, L.M. Braden and B.F. Koop. “Salmon – louse interactions: genomics and the evolution of the inflammation paradigm.” Invited oral presentation at the 2nd International Conference for Integrative Salmonid Biology. Vancouver, BC, Canada.
- 2014 J.D Poley, **B.J.G Sutherland**, S.K. Whyte, O.O. Igboeli, S.L. Purcell, B.F. Koop, M.D. Fast*. Male lice are from Venus, Female lice are from Mars: Don’t get me started on immature life stages. Oral presentation at the Aquaculture Association of Canada.
- 2014 J.D. Poley*, **B.J.G. Sutherland**, S.K. Whyte, O.O. Igboeli, S.L. Purcell, K. Fitzpatrick, B.F. Koop, M.D. Fast. Transcriptomic responses of copepodid sea lice (*Lepeophtheirus salmonis*) exposed to commonly used therapeutants in aquaculture. Oral presentation at Eastern Fish Health Workshop Meeting, Shepperdstown, West Virginia, USA & CSZ-CSEE-SCL First Joint Conference, Montréal, Quebec, Canada.
- 2014 **B.J.G. Sutherland***. “Living like a louse: Evading salmon defenses, chemical treatments and environmental stressors.” Biology Departmental Seminar for the University of Victoria, Victoria, B.C. Canada.
- 2013 S.R.M. Jones*, **B.J.G. Sutherland**, L.M. Braden and B.F. Koop. Parasitological, physiological and molecular metrics of resistance to *Lepeophtheirus salmonis* among salmon. Oral presentation at the 16th International Conference on Diseases of Finfish and Shellfish. Tampere, Finland.
- 2013 M.D. Fast,* J.D. Poley, O.O. Igboeli, **B.J.G. Sutherland**, B.F. Koop, S.L. Purcell, J.M. Covello, J.F. Burka, S. Whyte (2013). There and back again: Managing sea lice infection and resistance to treatment. Poster presentation at the 16th International Conference on Diseases of Fish and Shellfish. Tampere, Finland.
- 2013 A. Müller, K.A. Garver, **B.J.G. Sutherland**, B.F. Koop and S.C. Johnson*. “Characterization of the infectious hematopoietic necrosis virus (IHNV) carrier state in sockeye salmon (*Oncorhynchus nerka*). Oral presentation at The 1st Conference of the International Society of Fish and Shellfish Immunology. Vigo, Spain

- 2012 **B.J.G. Sutherland***, K.W. Koczka, S.R.M. Jones and B.F. Koop. Early responses of three salmonid species to *Lepeophtheirus salmonis* (Copepoda) infections.” Oral presentation at the 1st International Conference for Integrative Salmonid Biology. Oslo, Norway
- 2012 S.R.M. Jones*, **B.J.G. Sutherland** and B.F. Koop. “Biological and transcriptional consequences of infection with *Facilispora margolisi* (Microsporidia: Crustaceacida) following vertical transmission among larval salmon lice *Lepeophtheirus salmonis*.” Poster presentation at the 1st International Conference for Integrative Salmonid Biology. Oslo, Norway
- 2012 **B.J.G. Sutherland***, K.W. Koczka, S.R.M. Jones and B.F. Koop. “Stressed lice and refractory responses: Host-parasite transcriptomics.” Oral presentation at the 9th International Sea Lice Conference. Bergen, Norway
- 2010 S.R.M. Jones*, **B.J.G. Sutherland** and B.F. Koop. “Attractions and rejections: exploring host specificity among salmon using the model ectoparasitic copepod *Lepeophtheirus salmonis*.” Oral presentation at The 12th International Congress of Parasitology (ICOPA). Melbourne, Australia
- 2010 **B.J.G. Sutherland***, S.G. Jantzen, D.S. Sanderson, E. Kim, S.R.M. Jones and B.F. Koop. “Understanding the varying sensitivities of salmon to *Lepeophtheirus salmonis* infections.” Poster presentation at the 8th International Sea Lice Conference. Victoria, BC, Canada
- 2010 S.G. Jantzen*, **B.J.G. Sutherland**, D.S. Sanderson, S.R.M. Jones and B.F. Koop. “Sea lice (*Lepeophtheirus salmonis*) transcriptional responses to gradients of salinity, temperature, and emamectin benzoate.” Poster presentation at the 8th International Sea Lice Conference. Victoria, BC, Canada
- 2009 **B.J.G. Sutherland***, S.G. Jantzen, D.S. Sanderson, E. Kim, S.R.M. Jones and B.F. Koop. “Understanding the varying sensitivities of salmon to *Lepeophtheirus salmonis* infections.” Poster presentation at Ecological and Evolutionary Ethology of Fishes, Vancouver, BC, Canada (*best poster prize*)
- 2009 **B.J.G. Sutherland***, G.A. Cooper, S.R.M. Jones and B.F. Koop. “Transcriptomic responses of juvenile pink salmon *Oncorhynchus gorbuscha* following exposure to the salmon louse *Lepeophtheirus salmonis*.” Oral presentation at Aquaculture Canada 2009. Nanaimo, BC, Canada

SOCIETY & ORGANIZATION MEMBERSHIP

Fisheries and Oceans Canada eDNA Working Group (2018)
Scientist on the Canada C3 Canada 150 expedition (summer 2017)
Canadian Society of Ecology and Evolution (CSEE-SCEE) (2015-*present*)
Ressources Aquatiques Québec (RAQ) (2014-2017)
American Fisheries Society (2014-2017)
World Aquaculture Society (2012-2014)

SUPERVISION & MENTORSHIP

2017-*present* Claire Rycroft (Research Assistant, University of British Columbia)
2013-2016 Jordan Poley (Ph.D. student, University of PEI)
2013 Anita Müller (Visiting Scientist, Fisheries and Oceans Canada)
2011-2012 Kim Koczka (Research Assistant, UVic)
2012 Ben Cox (Undergraduate, UVic)
2011 Sofie Remø (Visiting Scientist, Norway)
2010-2011 Christian Sahlmann (Visiting Scientist, Norway)

PEER REVIEW

I have served as an external referee for more than 46 articles in 21 different journals, including those submitted to *BMC Genomics* (7), *Molecular Ecology* (7), *Parasites & Vectors* (3), *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution* (3), *Evolutionary Applications* (2), *G3: Genes | Genomes | Genetics* (1), *Genes* (2), *Heredity* (2), *Molecular Biology and Evolution* (1) among others.

For a complete list, including open reviews please see the following Publons profile link:
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COMMITTEE INVOLVEMENT / VOLUNTEER ACTIVITY

2018 Member of the International Reviewer Committee for Sea Lice 2018 (Chile)
2016 Poster judge at la journée des étudiants d'IBIS (Université Laval, in French)
2016 Presentation judge at the Canadian Society for Ecology and Evolution meeting
2013-2014 Executive Member of Trainees in Biomedical Research, UVic
2013 Search Committee for the Director of the Centre for Biomedical Research, UVic
2011-2013 Dept. of Biology Graduate Student Committee (student representative)
2011 Finance Committee (co-chair) for the UVic Graduate Student Symposium
2010 Student Organizer Sea Lice 2010 conference at Victoria, BC, Canada
2010 Finance Committee for the UVic Graduate Student Symposium
2009 Glendale Gardens, Victoria, BC, Canada Volunteer
2007-2008 Thompson Rivers University Omega campus newspaper contributor
2007 Thompson Rivers University Science Fair Judging Committee

REFERENCES

Dr. Kristi Miller (Postdoctorate supervisor). Fisheries and Oceans Canada, Pacific Biological Station, BC, Canada. Phone: (250) 756-7155 | Email: Kristi.Miller ^at symbol^ dfo-mpo.gc.ca

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Dr. Simon Jones (Ph.D. committee member). Fisheries and Oceans Canada, Pacific Biological Station, Nanaimo, Canada. Phone: (250) 729-8351 | Email: simon.jones ^at symbol^ dfo-mpo.gc.ca