

# Dan Gabriel Bock

Biodiversity Research Centre and Department of Botany  
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## PROFESSIONAL SUMMARY

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I am an integrative molecular ecologist focusing on the study of invasive species. I rely on model systems in ecology and evolutionary biology such as wild *Helianthus* sunflowers and *Anolis* lizards, that also contain highly invasive species. This allows me to draw from the extensive ecological information and genomic tools that are available in these systems, to ultimately understand evolutionary mechanisms and consequences of biological invasions.

## APPOINTMENTS

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Senior Lecturer, Griffith University, Australia Member, Griffith University Centre for Planetary Health and Food Security	starting July 2024
Postdoctoral Researcher, University of British Columbia, Canada Supervisor: Loren H. Rieseberg	2022 – current
Research Associate and Project Manager, University of Guelph, Canada Supervisor: Paul D.N. Hebert	2021 – 2022
Banting Postdoctoral Fellow, Washington University, USA Supervisors: Jonathan B. Losos, Jason J. Kolbe	2019 – 2021
NSERC Postdoctoral Fellow, Harvard University, USA Supervisors: Jonathan B. Losos, Jason J. Kolbe	2017 – 2019

## EDUCATION

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<b>PhD</b> Botany, University of British Columbia, Canada Title: <i>The genetics of contemporary evolution in an invasive perennial sunflower</i> Supervisor: Loren H. Rieseberg	2011 – 2017
<b>MSc</b> Environmental Science, University of Windsor, Canada Title: <i>Invasion genetics of botryllid colonial ascidians in North America</i> Supervisor: Melania E. Cristescu	2008 – 2010
<b>BSc</b> Biology, “Babeş - Bolyai” University, Romania Honours Title: <i>Population genetics of the marine invasive gastropod Rapana venosa</i> Honours Supervisor: Octavian Popescu	2004 – 2008

## RESEARCH FUNDING

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### Submitted

*Australian Research Council Discovery Project*: Biotic and abiotic drivers of rapid evolution in invasive species (Chief Investigator; with Marco Todesco and Loren H. Rieseberg as Partner Investigators)

*Australian Research Council Discovery Project*: Adaptive drivers of mutation and recombination rate dynamics in flowering plants (Chief Investigator; with Daniel Ortiz-Barrientos as Chief Investigator and project lead, and Marco Todesco and Loren H. Rieseberg as Partner Investigators)

**Awarded**

<i>NSF Rapid Response Research Grant</i> : Genomic and phenotypic responses to hurricane-mediated selection in an invasive lizard: does epistasis constrain evolution? (\$199,826 USD; Co-PI; with Sean T. Giery and Jason J. Kolbe)	2022 – 2023
<i>Pilot Project Grant</i> , Washington University: The Genomics of Evolutionary Adaptation: an Experimental Field Study with Lizards. (\$14,124 USD; formal PI: Jonathan B. Losos; conceived and co-wrote proposal)	2019
<i>Barbour Grant</i> , Museum of Comparative Zoology, Harvard University: The contribution of intraspecific admixture to colonization success in a widespread invasive species. (\$5,000 USD)	2017
<i>Killam Fellowship Travel and Research Award</i> , UBC: Genomics of speciation, domestication, and invasiveness in a multipotent sunflower species. (\$2,000 CAD)	2014

**FELLOWSHIPS****Major awards**

<i>NSERC Banting Postdoctoral Fellowship</i> , Government of Canada (140,000 CAD)	2019 – 2021
<ul style="list-style-type: none"> <li>The most competitive postdoctoral fellowship offered by the Government of Canada</li> <li>23 fellowships were funded in Science and Engineering in 2019, of 217 applications</li> <li>One of six applications funded in Ecology and Evolution nationally</li> </ul>	
<i>NSERC Postdoctoral Fellowship</i> , Government of Canada (90,000 CAD)	2017 – 2019
<ul style="list-style-type: none"> <li>Application ranked 4<sup>th</sup> nationally in Ecology and Evolution</li> <li>199 fellowships were funded in 2017, of 594 applications</li> </ul>	
<i>Vanier Canada Graduate Scholarship</i> , Government of Canada (150,000 CAD)	2013 – 2016
<ul style="list-style-type: none"> <li>The most prestigious award offered for doctoral-level studies in Canada</li> <li>Application ranked 5<sup>th</sup> nationally in Science and Engineering</li> <li>56 awards made annually in Science and Engineering</li> </ul>	
<i>Killam Doctoral Fellowship</i> , UBC (30,000 CAD)	2013 – 2015
<ul style="list-style-type: none"> <li>Top-ranked applicant at UBC</li> <li>Awarded the Killam – Donald N. Byers Memorial Prize in recognition of 1st place ranking</li> </ul>	

**Other awards (~210,000 CAD)**

<i>Four Year Doctoral Fellowship</i> , UBC	2011 – 2015
<i>PhD International Tuition Scholarship</i> , UBC	2011 – 2015
<i>Faculty of Science Graduate Award</i> , UBC	2013; 2014
<i>Best Poster Award</i> , Canadian Society for Ecology and Evolution meeting, Kelowna, Canada	2013
<i>Tuition Award</i> , Summer Institute in Statistical Genetics, University of Washington	2013
<i>Travel Award</i> , Canadian Society for Ecology and Evolution meeting in Ottawa, Canada	2012
<i>International Postgraduate Research Scholarship</i> , U. of Queensland (declined)	2011
Nominee, <i>Governor General's Gold Medal</i> , University of Windsor	2010
<i>Lum Clark Publication Award</i> , University of Windsor	2009; 2010
<i>Graduate Student Travel Award</i> , University of Windsor	2009
<i>International Graduate Excellence Scholarship</i> , University of Windsor	2008 – 2010
<i>International Graduate Student Scholarship</i> , University of Windsor	2008 – 2010
<i>Valedictorian Distinction</i> , "Babeş-Bolyai" University	2008
<i>Scientific Performance Scholarship</i> , "Babeş-Bolyai" University	2007 – 2008
<i>Merit-based Scholarship</i> , "Babeş-Bolyai" University	2004 – 2008

## PUBLICATIONS

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### Special Issues

**Bock DG**, Liu J, Novikova P, Rieseberg LH. 2023. Ecological and evolutionary inferences from long-read sequencing. *Molecular Ecology*. 32: 1229 – 1543.

### Peer Reviewed

3000+ citations, H-index: 22 (Google Scholar)

38. Kim AS, Kreiner JM, Hernandez F, **Bock DG**, Hodgins KA, Rieseberg LH. 2023. Temporal collections to study invasion biology. *Molecular Ecology*. 32: 6729 – 6742.
  - all authors have equal contribution
37. **Bock DG**, Baeckens S, Kolbe JJ, Losos JB. 2023. When adaptation is slowed down: genomic analysis of evolutionary stasis in thermal tolerance during biological invasion in a novel climate. *Molecular Ecology*. doi:10.1111/mec.17075.
36. Pita-Aquino JN, **Bock DG**, Baeckens S, Losos JB, Kolbe JJ. Stronger evidence for genetic ancestry than environmental conditions in shaping the evolution of a complex signaling trait during biological invasion. *Molecular Ecology*. 32: 5558 – 5574.
35. Hebert PDN, **Bock DG**, Prosser SWJ. 2023. Interrogating 1000 insect genomes for NUMTs: a risk assessment for estimates of species richness. *PLoS One*. 18: e0286620
34. **Bock DG**, Cai Z, Elphinstone C, González-Segovia E, Hirabayashi K, Huang K, Keais G, Kim A, Owens GL, Rieseberg LH. 2023. Genomics of plant speciation. *Plant Communications*. 4: 100599.
33. DeVos TB, **Bock DG**, Kolbe JJ. 2023. Rapid introgression of invasive alleles following hybridization between a native *Anolis* lizard species and a cryptic invader across an urban landscape. *Molecular Ecology*. 32: 2930 – 2944.
32. **Bock DG**, Liu J, Novikova P, Rieseberg LH. 2023. Long-read sequencing in ecology and evolution: understanding how complex genetic and epigenetic variants shape biodiversity. *Molecular Ecology*. 32: 1229 – 1235.
32. Baeckens S\*, Losos JB, Irschick DJ, Kolbe JJ, **Bock DG\***. 2023. Introduction history and hybridization determine the hydric balance of an invasive lizard facing a recent climate niche shift. *Evolution*. 77: 123–137.
  - \*equal contribution
30. Geneva AJ, Park S, **Bock DG**, de Mello PLH, Sarigol F, Tollis M, Donihue C, Reynolds RG, Feiner N, Rasys A, Lauderdale J, Infante C, Kolbe JJ, Schluter D, Menke DB, Losos JB. 2022. Chromosome-scale assembly of the brown anole (*Anolis sagrei*), a model species for evolution and ecology. *Communications Biology*. 5: 1126.
29. Gao Y, Chen Y, Li S, Huang X, Hu J, **Bock DG**, Maclsaac HJ, Zhan A. 2022. Complementary genomic and epigenomic adaptation to environmental heterogeneity. *Molecular Ecology*. 31: 3598–3612.

28. **Bock DG**, Baeckens S, Pita-Aquino JN, Chejanovski Z, Michaelides SN, Muralidhar P, Lapiedra O, Park S, DB Menke, Geneva AJ, Losos JB, Kolbe JJ. 2021. Changes in selection pressure can facilitate hybridization during biological invasion in a Cuban lizard. *Proceedings of the National Academy of Sciences (USA)*. 118: e2108638118.
27. **Bock DG**, Kantar MB, Rieseberg LH. 2020. Population genomics of speciation and adaptation in sunflowers. In: *Population Genomics*. Springer, Cham. doi: 10.1007/13836\_2020\_85.
26. Anderson J, Kantar MB, **Bock DG**, Grubbs KC, Schilling E, Rieseberg LH. 2019. Skim-sequencing reveals the likely origin of the enigmatic endangered sunflower *Helianthus schweinitzii*. *Genes*. 10: 1040.
25. Qi F, Baack E, Whitney K, **Bock DG**, Tetreault H, Rieseberg LH, Ungerer M. 2019. Phylogenetic trends and environmental correlates of nuclear genome size variation in *Helianthus* sunflowers. *New Phytologist*. 221: 1609–1618.
24. Kantar MB, Hübner S, Herman A, **Bock DG**, Baute GJ, Betts K, Ott M, Brandvain Y, Wyse D, Stupar D, Rieseberg LH. 2018. Neo-domestication of an interspecific tetraploid *Helianthus annuus* x *Helianthus tuberosus* population that segregates for perennial habit. *Genes*. 9: 422.
23. Hodgins KA\*, **Bock DG\***, Rieseberg LH. 2018. Trait evolution in invasive species. *Annual Plant Reviews*. 1: 1–37.
  - \* co-first authors
  - Invited review
22. **Bock DG**, Kantar MB, Caseys C, Matthey-Doret R, Rieseberg LH. 2018. Evolution of invasiveness by genetic accommodation. *Nature Ecology and Evolution*. 2: 991–999.
21. Baute GJ, Owens GL, **Bock DG**, Rieseberg LH. 2016. Genome-wide genotyping-by-sequencing data provide a high-resolution view of wild *Helianthus* diversity, genetic structure, and interspecies gene flow. *American Journal of Botany*. 103: 2170–2177.
  - Featured in *American Journal of Botany Highlights*
20. Lacoursière-Roussel A, **Bock DG**, Cristescu ME, Guichard F, McKindsey C. 2016. Effect of shipping traffic on biofouling invasion success at population and community levels. *Biological Invasions*. 18: 3681–3695.
19. Todesco M, Pascual MA, Owens GL, Ostevik KL, Moyers BT, Hübner S, Heredia SM, Hahn MA, Caseys C, **Bock DG**, Rieseberg LH. 2016. Hybridization and extinction. *Evolutionary Applications*. 9: 892–908.
  - Highly cited (Web of Science)
18. Zhan A, Briski E, **Bock DG**, Ghabooli S, Maclsaac HJ. 2015. Ascidiens as models for studying invasion success. *Marine Biology*. 162: 2449–2470.
17. Andrew RL, Albert AYK, Renaut S, Rennison DJ, **Bock DG**, Vines TH. 2015. Assessing the reproducibility of discriminant function analyses. *PeerJ*. 3: e1137.
  - Paper stemming from working group on science reproducibility

16. **Bock DG**, Caseys C, Cousens R, Hahn MA, Heredia SM, Hübner S, Turner KG, Whitney K, Rieseberg LH. 2015. What we still don't know about invasion genetics. *Molecular Ecology*. 24: 2277–2297.
  - Paper stemming from working group on invasion genetics
  - Highly cited (Web of Science)
15. Hodgins KA, **Bock DG**, Hahn MA, Heredia S, Turner KG, Rieseberg LH. 2015. Comparative genomics in the *Asteraceae* reveals little evidence for parallel evolutionary changes in invasive taxa. *Molecular Ecology*. 24: 2226–2240.
  - Paper stemming from working group on invasion genomics
14. **Bock DG**, Andrew RL, and Rieseberg LH. 2014. On the adaptive value of cytoplasmic genomes in plants. *Molecular Ecology*. 23: 4899–4911.
  - Invited review
  - Highlighted in *The Molecular Ecologist*
13. Vines TH, Albert AYK, Andrew RL, Débarre F, **Bock DG**, Franklin MT, Gilbert KJ, Moore JS, Renaut S, and Rennison DJ. 2014. The availability of research data declines rapidly with article age. *Current Biology*. 24: 94–97.
  - Paper stemming from working group on science reproducibility
  - Highly cited (Web of Science)
  - Featured in *Nature News*, *Science News*, *Nature Medicine*, *Scientific American*
  - Highlighted in *Vancouver Sun*, *The Telegraph*, *Science Daily*
12. **Bock DG**, Kane NC, Ebert DP, and Rieseberg LH. 2014. Genome skimming reveals the origin of the Jerusalem artichoke tuber crop species: neither from Jerusalem nor an Artichoke. *New Phytologist*. 201: 1021–1030.
  - Commentary in *New Phytologist* by Prof. Sandra Knapp
11. Kantar M, Baute GJ, **Bock DG**, and Rieseberg LH. 2014. Genomic variation in *Helianthus*: Learning from the past and looking to the future. *Briefings in Functional Genomics*. 13: 328–340.
10. Vaillant JJ, **Bock DG**, Haffner GD and Cristescu ME. 2013. Speciation patterns and processes in the zooplankton of the ancient lakes of Sulawesi Island, Indonesia. *Ecology and Evolution*. 3: 3083–3094.
  - Undergraduate student mentee is first author
9. Vines TH, Andrew RL, **Bock DG**, Franklin MT, Gilbert KJ, Kane NC, Moore JS, Moyers BT, Renaut S, Rennison DJ, Veen T, and Yeaman S. 2013. Mandated data archiving greatly improves access to research data. *FASEB Journal*. 27: 1304–1308.
  - Paper stemming from working group on science reproducibility
  - Featured in *Scientific American*
8. Gilbert KJ, Andrew RL, **Bock DG**, Franklin MT, Kane NC, Moore JS, Moyers BT, Renaut S, Rennison DJ, Veen T, and Vines TH. 2012. Recommendations for utilizing and reporting population genetic analyses: the reproducibility of genetic clustering using the program STRUCTURE. *Molecular Ecology*. 21: 4925–4930.
  - Paper stemming from working group on science reproducibility
  - Highlighted in *The Molecular Ecologist*

7. **Bock DG**, Maclsaac HJ and Cristescu ME. 2012. Multilocus genetic analyses differentiate between widespread and spatially restricted cryptic species in a model ascidian. *Proceedings of the Royal Society B: Biological Sciences*. 279: 2377–2385.
  - Highlighted in the *University of Windsor Daily News*
6. Lacoursière-Roussel A, **Bock DG**, Cristescu ME, Guichard F, Girard P, Legendre P, and McKindsey CW. 2012. Disentangling invasion processes in a dynamic shipping - boating network. *Molecular Ecology*. 21: 4227–4241.
5. Zhan A, Darling JA, **Bock DG**, Lacoursière-Roussel A, Maclsaac HJ, and Cristescu ME. 2012. Complex genetic patterns in closely related colonizing invasive species. *Ecology and Evolution*. 2: 1331–1346.
4. Cristescu ME, Constantin A, **Bock DG**, Cáceres CE and Crease TJ. 2012. Speciation with gene flow and the genetics of habitat transitions. *Molecular Ecology*. 21: 1411–1422.
3. **Bock DG**, Zhan A, Lejeusne C, Maclsaac HJ and Cristescu ME. 2011. Looking at both sides of the invasion: patterns of colonization in the violet tunicate *Botrylloides violaceus*. *Molecular Ecology*. 20: 503–516.
2. Lejeusne C, **Bock DG**, Maclsaac HJ, Therriault TW, and Cristescu ME. 2011. Comparative phylogeography of two colonial ascidians reveals contrasting invasion histories in North America. *Biological Invasions*. 13: 635–650.
1. Abdoullaye D, Acevedo I, Adebayo AA, Behrmann-Godel J, Benjamin RC, **Bock DG**, Born C, Brouat C, Caccone A *et al.* (82 authors arranged alphabetically). 2010. Permanent Genetic Resources added to Molecular Ecology Resources Database 1 August 2009 - 30 September 2009. *Molecular Ecology Resources*. 10: 232–236.
  - First author of included contribution
  - Undergraduate student mentee is first co-author

## **PRESENTATIONS**

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### **Departmental seminars**

Griffith University, Brisbane, QLD, Australia	2023
Macquarie University, Sydney, NSW, Australia	2022
Canadian High Arctic Research Station, Cambridge Bay, NU, Canada (virtual due to COVID19)	2022
Yale University, New Haven, CT, USA (virtual due to COVID19)	2022
University of Massachusetts, Dartmouth, MA, USA (virtual due to COVID19)	2021
University of Saskatchewan, Saskatoon, SK, Canada (virtual due to COVID19)	2021
University of Portsmouth, Portsmouth, UK (virtual due to COVID19)	2021
University of British Columbia, Vancouver, BC, Canada	2017
University of Windsor, Windsor, ON, Canada	2010
University of Windsor, Windsor, ON, Canada	2009

### **Invited symposium/meeting presentations**

Canadian Society for Ecology and Evolution meeting, Winnipeg, MB, Canada (talk)	2023
Ecological dimensions of hybridization symposium	

International Barcode of Life (iBOL) Consortium, Guelph, ON, Canada (talk) 2023  
 10<sup>th</sup> meeting of the iBOL Science Committee

### **Contributed conference presentations**

Canadian Society for Ecology and Evolution meeting (talk; upcoming) 2024  
 Society for Molecular Biology & Evolution (talk, virtual) 2023  
 Canadian Society for Ecology and Evolution meeting (talk, virtual due to COVID19) 2021  
 Evolution meeting (talk, virtual due to COVID19) 2021  
 Plant and Animal Genome Conference, San Diego, USA (talk) 2018  
 Plant and Animal Genome Conference, San Diego, CA, USA (talk) 2017  
 Society for the Study of Evolution, Austin, TX, USA (talk) 2016  
 Annual Botany Meeting, New Orleans, LN, USA (talk) 2013  
 Canadian Society for Ecology and Evolution, Kelowna, BC, Canada (poster) 2013  
 Compositae Genome Project Meeting, UC Davis Genome Center, Davis, CA, USA (talk) 2013  
 Joint Meeting of SSE, CSEE, and ESEB, Ottawa, ON, Canada (poster) 2012  
 CAISN Annual General Meeting and Conference, Quebec City, QC, Canada (talk) 2011  
 CAISN Annual General Meeting and Conference, Victoria, BC, Canada (talk) 2010  
 International Conference on Aquatic Invasive Species, Montreal, QC, Canada (talk) 2009  
 International Conference on Aquatic Invasive Species, Montreal, QC, Canada (poster) 2009  
 CAISN Annual General Meeting and Conference, Halifax, NS, Canada (talk) 2009  
 CAISN Annual General Meeting and Conference, Banff, AB, Canada (poster) 2008  
 Romanian Society of Cellular Biology Annual Meeting, Cluj-Napoca, Cluj, Romania (talk) 2008

## **TEACHING**

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### **Guest lectures and workshops (prepared and delivered lectures, led class discussions)**

Whole genome alignment (UBC BRC Genomics Discussion Group) 2023  
 Genomic Methods for Bioinformatics (BINF 6110; University of Guelph) 2022  
 Genes to Genomics (BIOL 226; University of Saskatchewan; virtual due to COVID19) 2021  
 Evolution and Conservation (BIO 396; University of Rhode Island) 2017  
 Evolutionary Processes in Plants (BIOL 415; UBC) 2015  
 Evolutionary Processes in Plants (BIOL 415; UBC) 2014  
 Genome size estimation using flow cytometry (Techinar Series, UBC) 2012  
 Microsatellite data collection and analysis workshop (University of Windsor) 2011  
 Molecular Ecology (03-55-480; University of Windsor) 2010

### **Teaching assistantships (led laboratory and field sessions, graded exams, held office hours)**

Fundamentals of Ecology (BIOL 304; UBC) 2011 (F)  
 Biological Diversity (03-55-140; University of Windsor) 2010 (W)  
 Genetics (03-55-211; University of Windsor) 2009 (F)  
 Biological Diversity (03-55-140; University of Windsor) 2009 (W)  
 GLIER Multidisciplinary Graduate Seminar (09-68-550; University of Windsor) 2008 (F)

## **MENTORSHIP**

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(helped students develop research plans, supervised research projects)

Ansley Petherick (graduate student, Washington University in St. Louis) 2020 – 2022  
 Inbar Maayan (graduate student, Harvard University) 2019 – 2022  
 Tyler Devos (graduate student, University of Rhode Island) 2020 – 2022  
 Jessica Pita-Aquino (graduate student, University of Rhode Island) 2018 – 2020  
 Kelly Borkowski (undergraduate student, The Research Experience, UBC) 2014 – 2016

Kate MacDonald (undergraduate student, The Research Experience, UBC)	2014 – 2016
Stella Li (undergraduate student, The Research Experience, UBC)	2014 – 2015
Anita Poon (undergraduate student, The Research Experience, UBC)	2014 – 2015
Christine Phillips (undergraduate work study student, UBC)	2014 – 2015
Caroline Ramsay (undergraduate work study student, UBC)	2014
Pengfei Qiao (volunteer exchange undergraduate student at UBC, Tsinghua University, China)	2014
Chloe Tashlin Fluegel (undergraduate work study student, UBC)	2012 – 2013
Steven Injik (undergraduate thesis student, University of Windsor)	2011
David Persall (undergraduate thesis student, University of Windsor)	2011
Huzaifa Kerai (undergraduate work study student, University of Windsor)	2010 – 2011
Syed Raza (undergraduate work study student, University of Windsor)	2010 – 2011
James J. Vaillant (undergraduate thesis student, University of Windsor)	2009 – 2010
Abisola A. Adebayo (undergraduate thesis student, University of Windsor)	2008 – 2009
Gagandeep Dhaliwal (volunteer undergraduate student, University of Windsor)	2008 – 2009

## **DEFENSE OR QUALIFYING EXAMINER**

Janne Torkkola (graduate student, Griffith University)	2024
Nidhi Chakma (graduate student, Griffith University)	2024

## **WORKSHOPS ATTENDED / PROFESSIONAL DEVELOPMENT**

Lab and field learning: experiential learning (UBC)	2023
How people learn and active learning in STEM teaching (UBC)	2023
CRISPR-Cas9 gene editing (University of Georgia, virtual due to COVID19)	2021
Summer Institute in Statistical Genetics (University of Washington)	2013
Communicating Science to Society (CSEE, Ottawa, Canada)	2012
Genomics (Cesky Krumlov, Czech Republic)	2012
Quantitative Biology (Bucharest, Romania)	2007

## **SERVICE AND OUTREACH**

Search committee member, BIOSCAN postdoctoral fellowship, University of Guelph	2022
Interviewed by BioLab Business magazine	2022
Chair, Invasive Species Session, Evolution meeting	2021
Contributor, Anole Annals ( <a href="http://anoleannals.org">http://anoleannals.org</a> )	2020
Co-organizer, for Ecology, Evolution, and Biodiversity Evolution lecture, UBC	2016
Mentor, The Research Experience, UBC	2014 – 2016
Organizer, Weekly lab meetings, Rieseberg Lab, UBC	2012 – 2016
Invited Panel Member, "Beyond the BSc", UBC Faculty of Science	2015
Member, UBC Reproducibility in Science Working Group	2011 – 2015
Contributor, Agricultural Biodiversity Weblog ( <a href="http://agro.biodiver.se">http://agro.biodiver.se</a> )	2014
Academic review, Multidisciplinary Undergraduate Research Conference Proceedings, UBC	2013
Judge, Multidisciplinary Undergraduate Research Conference, UBC	2013
Judge, Student Awards Competition, 1st Joint Congress on Evolutionary Biology, Ottawa	2012
Eco Ranger, Stanley Park Ecology Society – Public education on biodiversity	2012
Volunteer, Stanley Park Ecology Society - Invasive plants management program	2012
Judge, Three Minute Thesis Competition (final heat), UBC	2012
Volunteer, Three Minute Thesis Competition (semifinal heats), UBC	2012
Judge and Session Chair, GLIER Graduate Student Symposium, University of Windsor	2011
Organizer, Workshop on microsatellite data collection and analysis, University of Windsor	2011
Organizer, GLIER Multidisciplinary Graduate Seminar, University of Windsor	2008



## EDITORIAL SERVICE

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### Journals

*Molecular Ecology* (Special Issue co-editor) 2021 – 2023

- topic: ecological and evolutionary inferences from long read sequencing
- handled 19 manuscripts

*Genome* (associate editor) 2019 – current

- handled 28 manuscripts since Jan 1st, 2019

### Books

Invasion Genomics (CABI publishing; co-editor) 2022 – current

- 17 chapters authored by leading experts in the field
- Book proposal accepted; planned for publication in 2025

## REVIEWING

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**Journals and book chapters** (129 contributed reviews; 46 journals/books)

- recognized as “Top Reviewer” for *Molecular Ecology* in 2021 & 2022

*Australia National Science Agency – CSIRO Publishing; Axios Review; Biological Invasions* (12); *Botanical Journal of the Linnean Society; Conservation Genetics* (2); *Contributions to Zoology; Current Zoology* (2); *Current Biology; Diversity and Distributions* (4); *Ecography; Ecology and Evolution* (2); *Environmental and Experimental Botany; Evolution* (2); *Evolutionary Applications* (7); *Genetica* (2); *Global Change Biology; Heredity; Frontiers in Ecology and the Environment* (2); *International Journal of Molecular Sciences* (4); *John Wiley & Sons; Journal of Animal Ecology; Journal of Applied Ecology; Journal of Biodiversity Management & Forestry; Journal of Ecology* (2); *Journal of Great Lakes Research* (2); *Journal of the Marine Biological Association of the United Kingdom; Marine Biology* (6); *Marine Life Science & Technology; Molecular Biology and Evolution* (2); *Molecular Ecology* (26); *Molecular Ecology Resources* (6); *Nature Communications; Nature Ecology and Evolution; Neobiota; New Phytologist* (2); *PeerJ; Perspectives in Plant Ecology, Evolution and Systematics; Plant Systematics and Evolution; Proceedings of the National Academy of Sciences, USA* (4); *Proceedings of the Royal Society of London B: Biological Sciences; Public Library of Science One* (6); *Science; Science Advances; Scientific Reports* (3); *UBC Multidisciplinary Undergraduate Research Conference Proceedings* (6); *Zoological Journal of the Linnean Society*.

### Research grants

Connecticut Sea Grant College Program (University of Connecticut - USA), French National Research Agency (ANR - France), Marsden Fund Grant Program (Royal Society of New Zealand), The Czech Science Foundation (GACR - Czech Republic), The National Science Foundation (NSF - USA)

## PROFESSIONAL MEMBERSHIPS

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Society for the Study of Evolution; Canadian Society for Ecology and Evolution; European Society for Evolutionary Biology; Society of Systematic Biologists; American Society of Naturalists; Botanical Society of America.