

## Dr. Kiyoko Gotanda

---

Brock University  
Department of Biological Sciences  
1812 Sir Isaac Brock Way  
St. Catharines, Ontario, L2S 3A1 Canada  
Email: [kgotanda@brocku.ca](mailto:kgotanda@brocku.ca)  
<http://www.kiyokogotanda.com>



### ACADEMIC POSITIONS

---

2021–now	Assistant Professor, Department of Biological Sciences, Brock University
2022–now	Faculty Affiliate, Environmental Sustainability Research Centre, Brock University
2022–now	Affiliated Professor, Colegio de Ciencias Biológicas y Ambientales, Universidad San Francisco de Quito
2020–2021	Postdoctoral Fellow, Université de Sherbrooke
2019–2020	Visiting Research Fellow; Univ. of Cambridge
2016–2020	Research Fellow in the Sciences at Clare Hall; Univ. of Cambridge
2017–2019	Banting Postdoctoral Fellow; Univ. Of Cambridge
2016–2017	Le Fonds Québécois de la Recherche sur la Nature et les Technologies Postdoctoral Fellow; Univ. of Cambridge
2016–2017	Gibbs Travelling Research Fellow; Newnham College; Univ. of Cambridge
2010	Visiting Researcher; Macquarie University

### EDUCATION

---

2016	Ph.D. in Biology; McGill University
2009	BSc, First Class Honours; McGill University

### PUBLICATIONS

---

I have edited one special issue, and I have published 38 peer reviewed manuscripts for twelve of which I am first or co-first author and three of which I am senior or co-senior author.

Google Scholar – 1659 citations, h-index = 16; retrieved November 24, 2022

Web of Science – 1149 citations, h-index = 14; retrieved November 24, 2022

\* Authors contributed equally to work; *Graduate student co-author*; Undergraduate co-author

#### Special Issues

Editors: **Gotanda, K. M.**, Hendry, A. P., Svensson, E. I. (2017). Special Theme Issue: Human influences on evolution, and the ecological and societal consequences. *Philosophical Transactions of the Royal Society – B* 372(1712)

Media coverage: [McGill University](#), [Science Daily](#), [SciWorthy](#)

#### Peer Reviewed

36. Thurman, T.J., Palmer, T.M., Kolbe, J.J., Askary, A., **Gotanda, K.M.**, Lapiedra, O., Kartzinel, T.R., Man in't Veld, N.A., Revell, L.J., Wegener, J., Schoener, T.W., Spiller, D.A., Losos, J.B., Pringle, R.M.P., Barrett, R.D.H. (accepted) Predicting evolutionary change in response to novel ecological interactions: a field experiment with *Anolis* lizards. *The American Naturalist* MS# 60977

35. Verrelli, B. C., Alberti, M., Des Roches, S., Harris, N. C., Hendry, A. P., Johnson, M. T. J., Savage, A. M., Charmantier, A.\*, **Gotanda, K. M.\***, Govaert, L.\*, Miles, L. S.\*, Rivkin, L. R.\*, Winchell, K. M.\*, Brans, K. I., Correa, C., Diamond, S. E., Fithugh, B., Grimm, N. B., Hughes, S., Marzluff, J. M., Munshi-South, J., Rojas, C., Santangelo, J. S., Schell, C. J., Schweitzer, J. A., Szulkin, M., Urban, M. C., Zhou, Y., Ziter, C. (2022) A global horizon scan for urban evolutionary ecology. *Trends in Ecology and Evolution* 37(11): 1006-1019 doi.org/10.1016/j.tree.2022.07.012 \*Theme leader (led development, writing, and editing of themes)
34. Heckley, A. M., Pearce, A. E., **Gotanda, K. M.**, Hendry, A. P., Ole, K. B. (in press) Compiling forty years of guppy research to investigate the factors contributing to (non)parallel evolution. *Journal of Evolutionary Biology* 35(11): 1414-1431 doi.org/10.1111/jeb.14086
33. Winchell, K. M., Aviles-Rodriguez, K. J., Carlen, E. J., Miles, L. S., Charmantier, A., De León, L. F., **Gotanda, K. M.**, Rivken, L. R., Szulkin, M., Verrelli, B. C. (2022) Moving past the challenges and misconceptions in urban adaptation research. *Ecology and Evolution* 12(11): e9552 doi/10.1002/ece3.9552
32. Carrión, P. L., Raeymaekers, J. A. M., De León, L. F., Chaves, J. A., Sharpe, D. M. T., Huber, S. K., Herrel, A., Vanhooydonck, B., **Gotanda, K. M.**, Koop, J. A. H., Knutie, S. A., Clayton, D. H., Podos, J., Hendry, A. P. (2022) The terroir of the finch: how spatial and temporal variation shapes phenotypic traits in Darwin's finches. *Ecology and Evolution* 12(10): e9399 doi.org/10.1002/ece3.9399
31. McNew, S., Yopez, J., Loyola, C., Andreadis, C., **Gotanda, K. M.**, Saulsberry, A., Fessl, B. (2022) Transcriptomic effects of Galápagos finches to avian pox virus infection. *Molecular Ecology* 31(21): 5552-5567 doi.org/10.1111/mec.16690
30. Sanderson, S., Beausoleil, M., O'Dea, R. E., Wood, Z. T., Correa, C., Frankel, V., Gorné, L. D., Haines, G. E., Kinnison, M. T., Oke, K. B., Pelletier, F., Pérez-Jvostev, F., Reyes-Corral, W. D., Ritchot, Y., Sorbara, F., **Gotanda, K. M.\***§, Hendry, A. P.\* (2022) The pace of modern life, revisited. *Molecular Ecology* 31(4): 1028-1043 doi.org/10.1111/mec.16299 §Corresponding author
- Media Coverage: [Wired Magazine](#), [BBC News Day \(audio\)](#), [Brock News](#), [Ars Technica](#), [McGill, Science Direct](#), [News Concerns](#),
29. Santangelo, J., Ness, R.; Cohan, B.; Fitzpatrick, C.; Innes, S.; Koch, S.; Miles, L.; Munim, S.; Peres-Neto, P.; Prashad, C.; Tong, A.; **Gotanda, K. M.**; Johnson, M. T. J. + 275 co-authors (2022) Global urban environmental changes drives adaptation in white clover. *Science* 375(6586): 1275-1281 doi.org/10.1126/science.abk0989
- Media Coverage: [Brock News](#), [Yahoo News](#), [University of Toronto](#), [Knowable Magazine](#), [The Weather Network](#), [Newsweek](#), [Scientific American](#), [CBC](#), [CTV](#), [Scoop](#), [Environmental News Network](#), [El País](#), [Capital Outlook](#), [Newswise](#), [Mirage News](#), [Science Direct](#), [EurekaAlert](#), [Courthouse News Service](#), [Natural History Museum London](#), [Bioengineer.org](#), [Phys.org](#), [GuardianMag](#),
28. Lever, D., Rush, L. V., Thorogood, R., **Gotanda, K. M.** (2022) Darwin's finches have taste preferences, but not for human foods. *Royal Society Open Science* 9(1): 21198 doi.org/10.1098/rsos.211198
27. Kamath, A., Herrmann, N. C., **Gotanda, K. M.**, Shim, K., LaFond, J., Cottone, G., Falkner, H., Campbell, T. S., Stuart, Y. E. (2021) Character displacement in the midst of background

- evolution in island populations of *Anolis* lizards: a spatiotemporal perspective. *Evolution* 74(10): 2250-2264 doi: 10.1111/evo.14079
26. **Gotanda, K. M.** (2020) Human influences on antipredator behaviour in Darwin's finches. *Journal of Animal Ecology* 89(2): 614-622 doi: 10.1111/1365-2656.13127  
Media Coverage: [CNN](#), [MSN](#), [Cambridge University](#), [EurekaAlert!](#), [Phys.org](#), [British Ecological Society](#), [Sciglow.com](#), [BirdWatching](#), [Madison Magazine](#), [KXLY](#), [NewsBeezer](#), [ScienceDaily](#), [Alpha Galileo](#), [Laboratory Equipment](#), [Channel 3000](#), [VRT NWS \(in Flemish\)](#), [Yahoo \(in French\)](#), [dtyt \(in Spanish\)](#), [Siglo XXI \(in Spanish\)](#)
25. Carvajal-Endara, S., Hendry, A. P., Emery, N. C., Neu, C. P., Carmona, D., **Gotanda, K. M.**, Davies, T. J., Chaves, J., Johnson, M. T. J. (2020) The ecology and evolution of seed predation by Darwin's finches on *Tribulus cistoides* in the Galápagos Islands. *Ecological Monographs* 90(1): e01392 doi: 10.1002/ecm.1392  
\*\*F1000 Prime recommended.
24. Montiglio, P. O.\* , **Gotanda, K. M.\***, Kratochwil, C.F.\* , Laskowski, K. L.\* , Farine, D. R.\* (2020) Hierarchically embedded interaction networks represent a missing link in the study of behavioral and community ecology. *Behavioural Ecology* 31(2): 279-286 doi: 10.1093/beheco/arz168
23. **Gotanda, K. M.**, [Pack, A.](#), Leblond, C., Hendry, A. P. (2019) Do replicates of independent guppy lineages evolve similarly in a predator-free laboratory environment? *Ecology and Evolution* 9: 36-51 doi: 10.1002/ece3.4585
22. Knutie, S. A., Chaves, J. A., **Gotanda, K. M.** (2019) Human activity can influence the gut microbiota of Darwin's finches in the Galapagos Islands. *Molecular Ecology* 28(9): 2441-2450 doi: 10.1111/mec.15088  
Media Coverage: [EurekaAlert!](#), [Science Daily](#), [Phys.org](#), [SINC \(in Spanish\)](#), [La Razon \(in Spanish\)](#), [La Vanguardia \(in Spanish\)](#), [Madrid \(in Spanish\)](#)
21. Pringle, R. M., Kartzinel, T. R., Palmer, T. M., Thurman, T. J., Fox-Dobbs, K., Xu, C. C. Y., Hutchinson, M. C., Coverdale, T. C., Daskin, J. H., Evangelista, D. A., **Gotanda, K. M.**, Man in 't Veld, N., Wegener, J. E., Kolbe, J. J., Schoener, T. W., Spiller, D. A., Losos, J. B., Barrett, R. D. H. (2019) Predator-induced collapse of niche structure and species coexistence. *Nature* 570: 58-74 doi: 10.1038/s41586-019-1264-6  
\*\*F1000 Prime recommended.  
Media Coverage: [Nature Ecology & Evolution](#), [Anole Annals](#), [EurekaAlert!](#), [Science Daily](#) , [Phys.org](#), [PBS](#), [PNAS Journal Club](#), [Pulse News](#), [Nature Asia \(in Korean\)](#), [Agence France-Presse](#), [Nature](#), [Japan Times](#), [Mirage News](#), [RTL](#) , [France 24](#)
20. Berger-Tal, O., Greggor, A. L., Macura, B., Adams, C., Blumenthal, A., Bouskila, A., Candolin, U., Doran, C., **Gotanda, K. M.**, Price, C., Putman, B., Segoli, M., Snijders, L., Wong, B. B. M., Blumstein, D. T. (2019) Systematic reviews and maps as tools for applying behavioral ecology to management and policy. *Behavioral Ecology* 30(1): 1-8 doi: 10.1093/beheco/ary130
19. De León, L. F., Sharpe, D. M. T., **Gotanda, K. M.**, Raeymaekers, J. A. M., Chaves J. A., Hendry, A. P., Podos, J. (2018) Urbanization erodes niche segregation in Darwin's finches. *Evolutionary Applications* 12(7): 1329-1343 doi: 10.1111/eva.12721  
Media coverage: [PBS](#), [phys.org](#), [El Comercio](#), [Life in the City](#), [Naked Science \(in Russian\)](#)
18. Knutie, S. A.\* and **Gotanda, K. M.\*** (2018) A non-invasive method to collect fecal samples from wild birds for microbiome studies. *Microbial Ecology* 76(4): 851-855 doi: 10.1007/s00248-018-1182-4

17. [Theodosopoulos, A. N.](#) and **Gotanda, K. M.** (2018) Death of a Darwin's Finch: a consequence of anthropogenic debris? *The Wilson Journal of Ornithology* 130(4): 1023-1028 doi: 10.1676/17-00050
16. Michel, A. J., Ward, L. M., Goffredi, S. K., Dawson, K., Baldassarre, D. T., Brenner, A., **Gotanda, K. M.**, McCormack, J. E., Mullin, S., O'Neill, A., Tender, G., Uy, J. A. C., Yu, K., Orphan, V. J., Chaves, J. A. (2018) The gut of the finch: uniqueness of the gut microbiome of the Galápagos vampire finch. *Microbiome* 6(167): 1-14 doi: 10.1186/s40168-018-0555-8  
Media coverage: [The Ethogram](#)
15. De Lira, J. J. P. R., Pérez-Jvostov, F., **Gotanda, K. M.**, [Kou-Giesbrecht, S.](#), [Pease, S. K.](#), [Jackson, M.](#), [Jersch, S.](#), Hendry, A. P. (2018) Testing for whole-organism trade-off between natural and sexual selection: are the male guppies preferred by females more likely to be consumed by predators? *Evolutionary Ecology Research* 19: 441-453
14. Siepielski, A. M., Morrissey, M. B., Buoro, M., Carlson, S. M., Caruso, C. M., Clegg, S. M., Coulson, T., DiBattista, J., **Gotanda, K. M.**, Francis, C. D., Hereford, J., Kingsolver, J. G., Augustine, K. E., Kruuk, L. E. B., Martin, R. A., Sheldon, B. C., Sletvold, N., Svensson, E. I., Wade, M. J., MacColl, A. D. C. (2017). Precipitation drives global variation in natural selection. *Science* 355(6328): 959–962 doi: 10.1126/science.aag2773  
\*\*F1000 Prime recommended.  
Media coverage: [Newswise](#), [El Confidencial](#), [Phys.org](#), [Scientias](#), [Xinhua](#)
13. Alberti, M., Correa, C. Marzluff, J. Hendry, A. P., Palkovacs, E. P., **Gotanda, K. M.**, Hunt, V. Apgar, T. M., Zhou, Y. (2017). Global urban signatures of phenotypic change in animal and plant populations. *Proceedings of the National Academy of Sciences* 114(34): 8951–8956 doi: 10.1073/pnas.1606034114  
Media coverage: [BBC](#), [EurekaAlert](#), [Yahoo! News](#), [Nature World News](#), [The Times of India](#), [Tech Times](#), [Popular Mechanics](#), [Ensia](#), [Science World Report](#), [PNAS](#)
12. Hendry, A. P., **Gotanda, K. M.**, Svensson, E. I. (2017). Human influences on evolution, and the ecological and societal consequences. *Philosophical Transactions of the Royal Society – B* 372(1712): 20160028 doi: 10.1098/rstb.2016.0028
11. **Gotanda, K. M.**, Correa, C., Turcotte, M. M., Rolshausen, G., Hendry, A. P. (2015) Linking macro-trends and micro-rates: re-evaluating micro-evolutionary support for Cope's Rule. *Evolution* 69(5): 1345–1354 doi: 10.1111/evo.12653
10. **Gotanda, K. M.**, Sharpe, D. M. T., De León, L. F. (2015). Galapagos Mockingbird preys on an invasive mammal. *The Wilson Journal of Ornithology* 127(1): 138–141 doi: 10.1676/14-055.1
9. **Gotanda, K. M.** and Hendry, A. P. (2014). Using adaptive traits to consider potential consequences of temporal variation in selection: male guppy colour through time and space. *Biological Journal of the Linnean Society* 112(1): 108–122 doi: 10.1111/bij.12261
8. Siepielski, A. M.\* , **Gotanda, K. M.\***, Morrissey, M. B., Diamond, S. E., DiBattista, J. D., Carlson, S. M. (2013). The spatial patterns of directional phenotypic selection. *Ecology Letters* 16(11): 1382–1392 doi: 10.1111/ele.12174  
\*\*F1000 Prime recommended.
7. **Gotanda, K. M.**, Delaire, L. C., Raeymaekers, J. A. M., Pérez-Jvostov, F., Dargent, F., Bentzen, P., Scott, M. E., Fussmann, G. F., Hendry, A. P. (2013). Adding parasites to the guppy–predation story: insights from field surveys. *Oecologia* 172(1): 155–166 doi: 10.1007/s00442-012-2485-7

6. **Gotanda, K. M.**, Reardon, E. E., Murphy, S. M. C., Chapman, L. J. (2012). Critical swim speed and fast-start response in an African Cichlid: convergent performance in divergent oxygen regimes. *Canadian Journal of Zoology* 90(5): 545–554 doi: 10.1139/z2012-019
5. Haller, B. C., De León, L. F., Rolshausen, G., **Gotanda, K. M.**, Hendry, A. P. (2012). Magic traits: distinguishing the important from the trivial. *Trends in Ecology & Evolution* 27(1): 5–6 doi: 10.1016/j.tree.2011.09.005
4. **Gotanda, K. M.**, Reardon, E. E., Chapman, L. J. (2011). Hypoxia and behaviour in a male African cichlid. *Journal of Fish Biology* 78(7): 2085–2092 doi: 10.1111/j.1095-8649.2011.02996.x
3. **Gotanda, K. M.**, Turgeon, K., Kramer, D. L. (2009). Body size and reserve protection affect flight initiation distance in parrotfishes. *Behavioral Ecology and Sociobiology* 63(11):1563–1572 doi: 10.1007/s00265-009-0750-5

### Responses to Comments

2. Siepielski, A. M., Morrissey, M. B., Buoro, M., Carlson, S. M., Caruso, C. M., Clegg, S. M., Coulson, T., DiBattista, J., **Gotanda, K. M.**, Francis, C. D., Hereford, J., Kingsolver, J. G., Augustine, K. E., Kruuk, L. E. B., Martin, R. A., Sheldon, B. C., Sletvold, N., Svensson, E. I., Wade, M. J., MacColl, A. D. C. (2018). Response to comment on "Precipitation drives global variation in natural selection". *Science* 359(6374): eaan5760 doi: 0.1126/science.aan5760
1. Berger-Tal, O., Greggor, A. L., Macura, B., Adams, C., Blumenthal, A., Bouskila, A., Candolin, U., Doran, C., **Gotanda, K. M.**, Price, C., Putman, B., Segoli, M., Snijders, L., Wong, B. B. M., Blumstein, D. T. (2018) Systematic evidence synthesis as part of a larger process: a response to comments on Berger-Tal et al. *Behavioral Ecology*. 30(1): 14-15 doi: /10.1093/beheco/ary163

### In Review/In Revision/Submitted (full manuscript available upon request)

- Sanderson, S., Bolnick, D. I., Kinnison, M. T., O'Dea, R. E., Gorné, L. D., Hendry, A. P., **Gotanda, K. M.** (in review) Contemporary changes in phenotypic variation and the potential consequences for eco-evolutionary dynamics. *Ecology Letters* MS: ELE-01096-2022
- Gotanda, K. M.\***, Farine, D. R.\*, Kratochwil, C. F.\*, Laskowski, K. L.\*, Montiglio, P. O.\* (in revision) Animal behaviour facilitates eco-evolutionary dynamics. *Trends in Ecology & Evolution* MS: TREE-D-19-00365 <http://arxiv.org/abs/1912.09505>

### Other Contributions (non-peer reviewed)

Editors: Hendry, A. P., Bolnick, D. I., **Gotanda, K.M.**, Eco-Evo Evo-Eco blog.  
<https://ecoevoeco.blogspot.com/>

**Gotanda, K. M.**, Baldassarre, D., Chaves, J. (2021) Vampire finches: how little birds in the Galápagos evolved to drink blood. *The Conversation* <https://theconversation.com/vampire-finches-how-little-birds-in-the-galapagos-evolved-to-drink-blood-153010>

**Gotanda, K. M.** (2019) Darwin's finches and urbanization. *Galapagos News* Spring/Summer 2019 Galapagos Conservancy. <https://www.galapagos.org/wp-content/uploads/2022/05/GalapagosNews-Sp-Su2019-web.pdf>

**Gotanda, K. M.** (2019) Darwin's finches adapting to human influences. *British Ornithologists' Union Blog* <https://www.bou.org.uk/blog-gotanda-antipredator-behaviour-darwins-finches/>

## GRANTS, FELLOWSHIPS, AND SCHOLARSHIPS

---

### Research Grants (Total: \$141,603 CAD not including NSF's)

- 2023–2028 Pending: PI on Natural Sciences and Engineering Research Council of Canada (NSERC) Discovery Grant “Human influences on rapid adaptation and phenotypic change” \$406,250 CAD
- 2023 Pending: Team Leader on Canada Foundation for Innovation Fund “Clean agriculture for sustainable production (CASP) field infrastructure”, PIs: Sudarsana Poojari and Jim Willwerth; \$2,261,276 CAD
- 2023 Pending: PI on Canadian Foundation for Innovation John R. Evans Leaders Fund “Adaptive differences between domestic and wild type guppies and their ecological impact” \$106,450 CAD
- 2023–2025 Pending: PI on Johnson & Johnson Women in STEM<sup>2</sup>D Scholars Award “Human influences on rapid adaptation” \$150,000 USD
- 2022–2023 PI on Brock University Advancement Fund (BUAF) Explore Grant “Behavioural variation and dispersal in three-spine sticklebacks” \$7,000 CAD
- 2021–2023 Senior Personnel on National Science Foundation Grant “Evo-LTER Conference: Building collaborations to investigate the effects of urbanization on eco-evolutionary dynamics across the NSF-LTER network” PI: Amy Savage; \$99,969 USD
- 2018–2023 Collaborator on National Science Foundation Research Coordination Networks. “Eco-Evolutionary Dynamics in an Urban Planet: Underlying Mechanisms and Ecosystem Feedbacks” PI: Marina Alberti; \$498,817 USD
- 2017–2021 Co-PI on Deutsche Forschungsgemeinschaft – German Research Foundation Scientific Network Grant. “The role of interaction structure in eco-evolutionary dynamics (EcoEvoInteract)” €64,996
- 2017–2020 Christ’s College University of Cambridge; Charles Darwin – Galápagos Islands Visiting Scholarship Scheme; Total: £4,000
- 2017–2019 Clare Hall; University of Cambridge; Whitehead Fund; Total: £1,500
- 2016–2017 Newnham College University of Cambridge; Phyllis and Eileen Gibbs Travelling Research Fellowship; £8,000
- 2016 British Ornithologists’ Union Research Grant; £1,411
- 2014 European Society for Evol. Biol. (ESEB) Godfrey Hewitt Mobility Award; €2,000
- 2013 Sigma Xi Grants in Aid of Research; \$500 USD
- 2010–2011 FQRNT Bourse pour le Stage International; \$10,000 CAD

### Scholarships and Fellowships (Total: \$688,903 CAD)

- 2021–2022 Brock Faculty of Maths. and Sci. Postdoc. Fellows Support Award; \$25,000 CAD
- 2017–2019 Natural Sciences and Engineering Research Council of Canada (NSERC); Banting Postdoctoral Fellowship; \$140,000 CAD
- 2018–2020 Natural Sciences and Engineering Research Council of Canada (NSERC); Postdoctoral Fellowship; \$90,000 CAD (Declined)
- 2016–2018 Le Fonds Québécois de la Recherche sur la Nature et les Technologies (FQRNT); Postdoctoral Research Fellowship; \$70,000 CAD
- 2014–2015 McGill U. Department of Biology Vineberg Fellowship; \$3,903 CAD
- 2011–2014 Natural Sciences and Engineering Research Council of Canada (NSERC); Vanier Canada Graduate Scholarship; \$150,000 CAD
- 2011–2014 NSERC; Alexander Graham Bell Doctoral Scholarship; \$105,000 CAD (Declined)
- 2011–2014 FQRNT; Doctoral research scholarship; \$60,000 CAD (Declined)
- 2010–2011 FQRNT; Masters to Doctoral research scholarship; \$20,000 CAD

2010–2011	McGill U. Principal's Graduate Fellowship; \$2,500 CAD
2009–2011	McGill U. Faculty of Sci. Lorne Trotter Sci. Accelerator Fellowship; \$5,000 CAD
2009–2011	McGill U. Department of Biology Provost's Graduate Fellowship; \$10,000 CAD
2009–2010	NSERC; Alexander Graham Bell Masters Scholarship (CGS–M); \$17,500 CAD
2009–2010	FQRNT; Master's research scholarship; \$15,000 CAD (Declined)

## AWARDS AND DISTINCTIONS

---

### Honours and Merit (Total: \$21,900 CAD)

2020	Canadian Society for Ecology & Evolution Early Career Award; \$1,500 CAD
2015	Québec Centre for Biodiversity Science (QCBS) Biodiversity Award; \$500 CAD
2010–2014	QCBS Training Excellence Award; Total: \$7,598.84 CAD
2013	Kappa Kappa Gamma Found. of Canada Scholar. for Women; \$3,500 CAD
2012	Senior Women Academic Admin. of Canada Award of Merit; \$3,000 CAD
2010	McGill U. Redpath Museum Delise Alison Grad. Stud. Devt. Award; \$1,000 CAD
2006–2009	Six competitive awards and scholarships from McGill U.; Total: \$4,800 CAD

### Competitive Travel Awards (Total: \$9,016 CAD)

2018–2019	Cambridge Philosophical Society Travel Grant; Total: £400
2013–2015	McGill U. Dept. of Biology Int. Grad. Research Travel Award; Total: \$6,505 CAD
2011	McGill U. Dept. of Biol. Grad. Research Enhancement Travel Award; \$500 CAD
2011	Society for the Study of Evolution (SSE) International Travel Award; \$1,000 USD

## PRESENTATIONS

---

### Invited Talks \*Invited by Graduate Student Body

Upcoming	Penn State University, Department of Biology, United States University of Cincinnati, Department of Biology, United States
2022	*Florida State University, Dept. Biol. Sci. Colloquium Series, United States Florida State University, Dept. Biol. Sci. Ecology & Evolution, United States Ecological Society of America and Canadian Society for Ecology and Evolution joint meeting, Inspire Session, Canada University of Toronto, Ecology and Evolution, Canada
2021	*Wake Forest University, Department of Biology, United States *George Washington University, Department of Biology, United States *University of Exeter's Penryn Campus, Darwin Week Early Career Researcher Invited Speaker, England Netherlands Annual Ecology Meeting Invited Keynote Speaker, Urban Ecology and Human Impacts, Netherlands University of Alberta, Faculty of Science – Biological Sciences, Canada McMaster University, Department of Biology, Canada University of Colorado, Denver, Department of Integrative Biology, United States Kennesaw State University, Dept. of Ecol., Evol., and Org. Bio., United States University of Guelph, Department of Integrative Biology, Guelph, Canada
2020	Canadian Society for Ecology & Evolution Early Career Award *University of Glasgow, Darwin Day Invited Speaker, Scotland Vanier College, Vanier Celebrates Women in Science, Canada University of Wyoming, Department of Zoology & Physiology, United States Emporia State University, Department of Biological Sciences, United States Université de Sherbrooke, Department of Biology, Canada

- California State University, Fresno, Department of Biology, United States  
Brock University, Department of Biological Sciences, Canada  
Lakehead University, Department of Biology, Canada  
Durham University, Department of Biosciences, England  
Centre de Recerca Ecològica i Aplicacions Forestals Talks, Barcelona, Spain  
University of Missouri – St. Louis, Department of Biology, United States  
2019 George Mason University, Department of Biology, United States  
McGill University, Redpath Museum, Canada  
Christ's College Charles Darwin and Galapagos Islands Funds 10<sup>th</sup> Anniversary,  
London, England  
Swansea University, Department of Biosciences, Wales  
Université de Montréal, Département de Sciences Biologiques, Canada  
2018 Nord University, Faculty of Biosciences and Aquaculture, Norway  
Concordia University, Department of Biological Sciences, Canada  
Anglia Ruskin University, Department of Biology, England  
2017 Imperial College London, Ecology and Evolution Seminar Series, England  
University of Bristol, Workshops in Ecology and Behaviour  
University of Jyväskylä, Departmental Research Seminar Series, Finland  
Newnham College, University of Cambridge, Gibbs Fellowship Annual Lecture  
Charles Darwin Research Foundation, Galápagos Islands, Ecuador  
Universidad San Francisco de Quito, Ecuador  
2016 Corpus Christi College, Postdocs of Cambridge Society Leckhampton Dinner  
University of Cambridge, Zoology Postdoc Summer Seminar Series, England  
2015 Vanier Celebrates Women in Science, Vanier College, Canada  
University of Cambridge, Behavioural Ecology Group, England  
2014 Queen's University, Ecology, Evolution, and Behaviour Seminar Series, Canada  
2013 McGill University, Biology Organismal Seminar Series, Canada

**Contributed Talks** (\* Poster Presentation) ( ) indicate number of presentations

- 2022 Ecological Society of America and Canadian Society for Ecology and Evolution joint meeting. Montreal, Québec, In person  
2021 Société Québécoise pour l'Étude Biol. du Comportement. Sherbrooke, Canada, Hybrid  
Canadian Society for Ecology and Evolution. Vancouver, BC, Canada, Virtual  
Animal Behavior Society 2021 Virtual Meeting  
Virtual Evolution  
McGill Biology Department Day, Montréal, Québec, Canada  
2020 Québec Centre for Biodiversity Science. Montréal, Québec, Canada, Virtual  
Société Québécoise pour l'Étude Biol. du Comportement. QC, Canada, Virtual  
2019 Evolution. Providence, Rhode Island, United States  
Société Québécoise pour l'Étude Biologique du Comportement. Montréal, Québec, Canada  
2018 \*2<sup>nd</sup> Joint Congress on Evolutionary Biology. Montpellier, France  
Symposium: Predicting Evolution  
The American Society of Naturalists. Asilomar, California, United States (2)  
Symposium: Maladaptation  
2017 European Society for Evolutionary Biology. Groningen, The Netherlands (2)  
Symposium: Urban Evolution  
Symposium: Eco-Evolutionary Dynamics  
Evolution. Portland, Oregon, United States (2)



- Spotlight Symposium: Eco-Evolutionary Dynamics  
2016 International Society for Behavioural Ecology. Exeter, England  
2015 Société Québécoise pour l'Étude Biologique du Comportement. Québec City, Québec, Canada  
Québec Centre for Biodiversity Science. Montréal, Québec, Canada  
2014 \*International Society for Behavioural Ecology. New York, New York, United States  
Québec Centre for Biodiversity Science. Montréal, Québec, Canada  
GENOMES TO/AUX BIOMES joint meeting. Montréal, Québec, Canada  
2013 Québec Centre for Biodiversity Science. Montréal, Québec, Canada  
Evolution. Snowbird, Utah, United States  
2012 Québec Centre for Biodiversity Science. Montréal, Québec, Canada  
1<sup>st</sup> Joint Congress on Evolutionary Biology. Ottawa, Ontario, Canada  
2011 Québec Centre for Biodiversity Science. Montréal, Québec, Canada  
European Society for Evolutionary Biology. Tübingen, Germany  
Canadian Society for Ecology and Evolution. Banff, Alberta, Canada  
2010 Evolution. Portland, Oregon, United States.  
Ecological and Evolutionary Ethology of Fishes. Burnaby, BC, Canada  
Symposium: The Impacts of Environmental Stressors on Fish Behaviour  
2009 Société Québécoise pour l'Étude Biologique du Comportement. Trois-Rivières, Québec, Canada

## **MENTORING AND TEACHING**

---

### **Postdoctoral Supervising**

- 2021–2022 Supervise 1 Postdoctoral Fellow, Brock University

### **Postgraduate Supervising**

- 2021–now Supervise 2 PhD student, Brock University  
2021–now Supervise 1 MSc student, Brock University  
2020–now Co-supervise 1 PhD student, McGill University  
2022–now Committee member 1 PhD student, McGill University  
2021–now Committee member 2 PhD student, Brock University  
2020–now Committee member 1 MSc student, San Francisco State University  
2019–now Committee member 1 MSc student, Université du Québec à Montréal

### **Mentoring and Undergraduate Supervisions**

- 35 total of which: 31 females, 2 LGBTQ+, 1 disabled, and 10 visible minorities  
2022–2023 Supervised 3 Undergraduate Honours Thesis student, Brock University  
2022–2023 Supervised 1 Undergraduate Thesis student, Brock University  
2021–2022 Supervised 1 Undergraduate Thesis student, Brock University  
2021–now Mentor to 2 postdoctoral research fellows through Women and Non-Binary People of Colour in Ecology and Evolutionary Biology's one-to-one mentorship program  
2021 Supervise 1 Co-op student, Brock University  
2021 Mentored 3 undergraduates for the virtual Evolution conference  
2017–2020 Supervised 4 undergraduate's independent projects; U. Cambridge  
2017–2018 Mentored 4 undergraduate students; U. Cambridge  
2009–2015 Mentored 14 undergraduate students on their independent projects; McGill U.

### **Courses**

- 2022–now Current Topics in Conservation Ecology and Biodiversity, Brock University

## Dr. Kiyoko Gotanda CV

2022–now Animal Behaviour, Brock University  
2021–now Ecology, Brock University  
2021 Biostatistics, Brock University

### Teacher's Assistant

2014, 2015 Methods in Organismal Biology, McGill U.

### Guest Lectures

2017 Erasmus Mundus International Master's in Applied Ecology; Professor: Diego Quiroga  
2015, 2017 Canton High School, Canton, Massachusetts, USA; Professor: Rebecca Stang  
2016 Lusaka International Community School, Lusaka, Zambia; Professor: Teresa Heymans

### Invited/Featured Scientist

2022 Genetics; Loyola University; Professor: Dr. Sara Lipshutz  
2018, 2020–now Animal Behaviour Course; University of Connecticut; Professor: Dr. Sarah Knutic  
Manuscript discussed: "Human influences on antipredator behaviour in Darwin's finches"  
2020–now Ecology Course, Gettysburg College; Professor: Dr. Natasha Gownaris  
Manuscript discussed: "Human influences on antipredator behaviour in Darwin's finches"  
2017 Workshops in Ecology and Behaviour; University of Bristol  
Manuscript discussed: "Human influences on evolution, and the ecological and societal consequences"

### COLLABORATIVE RESEARCH GROUPS

---

2022–now Steering Committee Member, National Science Foundation Research Coordination Networks; "Eco-Evolutionary Dynamics in an Urban Planet: Underlying Mechanisms and Ecosystem Feedbacks"  
2021–now Senior Personnel and Co-organizer, National Science Foundation. "Long Term Ecological Research (LTER) Conference: Building collaborations to investigate the effects of urbanization on eco-evolutionary dynamics across the NSF-LTER network".  
2020–now Co-PI of the behavioural axis of a multidisciplinary team looking at ecosystem restoration in Alaskan three-spine stickleback. We are one of ten different axes harnessing a large scale re-introduction program in eight different lakes.  
2020–now Curator and PI; I am the curator and maintainer of the Phenotypic Rates of Change Evolutionary and Ecological Database (PROCEED: <https://proceeddatabase.weebly.com/>). Using this database, I have formed an international (e.g., Canada, United States, France, Argentina) network of researchers that will use the database to ask questions about phenotypic rates of change.  
2013–now Ecology and Evolution of Darwin's finches. International collaboration of 10 PIs studying the ecology and evolution of Darwin's finches on the Galapagos Islands.  
2018–2022 Collaborator, National Science Foundation Research Coordination Networks; "Eco-Evolutionary Dynamics in an Urban Planet: Underlying Mechanisms and Ecosystem Feedbacks"  
2017–2022 Member; Deutsche Forschungsgemeinschaft – German Research Foundation; "The role of interaction structure in eco-evolutionary dynamics (EcoEvoInteract)"

- 2017–2020 Contributor; Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services  
2014–2015 Project Staff; Earthwatch; “Following Darwin’s Finches in the Galápagos”  
2012–2014 Member; National Evolutionary Synthesis Center; “The Environmental and Demographic Determinants of Natural Selection”

---

## WORK EXPERIENCE

---

### Ballet Dancer

- 1998–2004 Les Grands Ballets Canadiens de Montréal, Montréal, Québec  
1996–1998 Joffrey Ballet of Chicago, Chicago, Illinois

---

## PROFESSIONAL SERVICE AND OUTREACH

---

### Committees and Associations

- 2022–now Member of the Dept. of Bio. Sci. Awards & Scholarships Committee, Brock U.  
2021–now Faculty Advisor Graduate Math and Science Society (GRAMSS), Brock U.  
2021–now Research Coordination Network Steering Committee Member, international  
2021–now Early Career and PhD Award application reviewer, Can. Soc. for Ecol. & Evol.  
2021 Member of the Equality and Diversity Initiative Committee, Québec Centre for Biodiversity Science  
2018–2020 Member of the Stewardship Committee, Clare Hall, U. Of Cambridge  
2017–2020 Member of the Equalities & Wellbeing Committee, Zoology, U. of Cambridge  
2017–2020 Member of the Fellowships Committee, Clare Hall, U. Of Cambridge  
2016–2020 Member of the Governing Board, Clare Hall, U. of Cambridge  
2011–2015 Outreach Committee Member, Canadian Society for Ecology and Evolution  
2009–2015 Redpath Museum Rep., Biology Graduate Student Association, McGill U.  
2010–2014 Website Administrator, Biology Graduate Student Association, McGill U.  
2011–2013 Secretary, Biology Graduate Student Association, McGill U.

### Outreach

- 2009–now Photography Workshop Presenter  
2016–2020 Volunteer, University Museum of Zoology  
2009–2016 Volunteer, Let’s Talk Science  
2012–2013 Student Facilitator for McGill’s Academic Integrity Day, McGill U.  
1999–2004 Assistant to the Artistic Coordinator, Les Grands Ballets Canadiens de Montréal  
2003 Rehearsal Assistant, Les Grands Ballets Canadiens de Montréal

### Conference and Performance Organization

- 2022 Co-coordinator, NSF funded workshop on “Building collaborations to investigate the effects of urbanization on eco-evolutionary dynamics across the LTER network”  
2021–now Faculty Advisor, Faculty of Mathematics and Science Graduate Research Day, Conference  
2012–2014 Chair, Graduate Student Committee, GENOMES TO/AUX BIOMES 2014, joint conference of three Canadian societies  
2010 Annual Congress Organizing Committee Member, Société Québécoise pour l’Étude Biologique du Comportement/ Québec Society for the Study of Behavioural Ecology  
2003 Saku Koivu Foundation Benefit Performance Coordinator, à Suivre..., Les Grands Ballets Canadiens de Montréal

2000–2002      à Suivre..., Choreographic Workshop Performance Coordinator, Les Grands Ballets Canadiens de Montréal

### **Symposium Coordination**

2020              The American Society of Naturalists. Asilomar, California, United States  
Symposium: Merging behavioural ecology with eco-evolutionary dynamics: lessons from the past to move current research forward

### **Seminar Organization**

2021              Co-coordinator and facilitator for Graduate Math and Science Student (GRAMSS) Seminar Series, Brock University  
2017–2019      Behaviour, Ecology, & Evolution Seminar Series co-organizer, U. of Cambridge  
2017–2018      Zoology Departmental Seminar Day co-organizer, U. of Cambridge  
2009              Department of Biology Organismal Seminar Representative, McGill U.

### **Interviews**

2022              British Broadcasting Company (BBC) Sounds, The Climate Question  
<https://www.bbc.co.uk/sounds/play/w3ct2drz>  
2022              British Broadcasting Company (BBC) World News Service; Newsday  
<https://www.bbc.co.uk/sounds/play/p0bmp2zb>  
2015              Canadian Broadcasting Company (CBC); Daybreak

### **REVIEWING**

---

The American Naturalist	Biol. J. of the Linnean Society	Journal of Fish Biology
Animal Behaviour	BMC Ecology	Nature Communications
Animal Biology	Ecology and Evolution	Notornis
Animal Conservation	Evolution	Phil. Trans. of the Roy. Soc. B
Animals	Evolutionary Applications	PLoS One
Aquatic Ecology	Evolutionary Ecology	Proc. of the Roy. Soc. B
Axios	Hydrobiologia	Royal Society Open Science
Biological Invasions	Journal of Animal Ecology	Scientific Reports

### **PROFESSIONAL AFFILIATIONS**

---

Animal Behavior Society	Canadian Society for Ecology and Evolution
American Society of Naturalists	European Society for Evolutionary Biology
The Assoc. for the Study of Animal Behaviour	International Soc. for Behavioural Ecology
The British Ecological Society	The Society for the Study of Evolution
British Ornithologists' Union	