Dr. Kiyoko Gotanda

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

Gotanda Lab
adaptation - ecology - behaviour

ACADEMIC POSITIONS

2021–now	Assistant Professor, Department of Biological Sciences, Brock Univ.
2023–now	Member, Canadian-Caribbean Institute, Brock Univ.
2022–now	Faculty Affiliate, Environmental Sustainability Research Centre, Brock Univ.
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 45 peer reviewed manuscripts for twelve of which I am first or co-first author and seven of which I am senior or co-senior author.

Google Scholar – 2,821 citations, h-index = 21; retrieved September 17, 2025
Web of Science – 2,018 citations, h-index = 19; retrieved September 17, 2025

*Authors contributed equally to work; [PD] Postdoctoral fellow co-author, *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

45. Gorné, L. D.[PD], Hendry, A. P., Pelletier, F., Sanderson, S., Correa, C., Arias, C., Beausoleil, M., Boisjoly, M., Crispo, E., Berner, D., De León, L. F., DiBattista, J. D., Haines, G. E., Haller, B. C., Kinnison, M. T., Muttalib, S., McKellar, A. E., O'Dea, R. E., Reyes-Corral, W. D., Ritchot, Y., Oke, K. B., Wood, Z. T., Farrugia, T., **Gotanda, K. M.** (2025) PROCEED v6:

Phenotypic rates of change evolutionary and ecological database *Ecology* 106(3): e70009 doi.org/10.1002/ecy.70009

44. Chaudhary V. B., Kim, S., Medina, M., Srivastava, D. S., Traylor-Knowles, N., Brito-Millan, M., Camargo-Cely, A., Chatterjee, S., Chen, N., Chen, Y. H., **Gotanda, K. M.**, Halsey, S. J., Jack, C. N., McGuire, R. M., Miller, C. M. L., Moore, A. C., Noh, S., Ong, T. W., Peralta, A. L., Puitiza, A., Ramirez, L. N., Romero-Olivares, A. L., Pulido-Barriga, M. F., Sanchez, K. A., Sit, C. Y., Su, C., Vazquez-Cardona, J., Venkataraman, Y. R., Werner, C. M., Khadempour, L. (2025) Racial affinity groups in STEM. *Science*. 387(6737): 937 doi.org/10.1126/science.adq4733

43. Carlen, E. J., Caizergues, A. E., Jagiełło, Z., Kuzyo, H., Munshi-South, J., Alberti, M., Angeoletto, F., Bonilla, S., Booth, W., Charmantier, A., Cook, E. M., Gosler, A., **Gotanda, K. M.**, Govaert, L., Johnson, L. E., Li, D., Malesis, A. N., Martin, E., Marzluff, J., Mazurek, M., Miles, L. S., Phifer-Rixey, M., Salazar-Valenzuela, D., Savage, A., Snyder, R., Stadnicki, I., Vergeles, Y., Verrelli, B. C., Villar, D., Wilhelm-Solomon, M., Willmott, M., Winchell, K. M., Yates, S., Zhou, Y., Garroway, C. J., Szulkin, M. (2025) Legacy effects of religion, politics, and war on urban evolutionary biology. *Nature Cities*. 2: 593-602 doi.org/10.1038/s44284-025-00249-3

Media Coverage: Los Angeles Times, The Conversation, Time.News, Phys.org, Bioengineer.org, Science Magazine, Science Blog, Deccan Herald, Eureka Alert!, FindX News, Seattle Pi, MSN, Mirage News

42. *Heckley, A. M.*, Montiglio, P. O., Fox, J. A., Sanderson, S., Derry, A. M., **Gotanda, K. M.**, Hendry, A. P., (2025) Abiotic environmental factors contribute to spatial variation in boldness and exploration in guppies (*Poecilia reticulata)*. *Journal of Fish Biology*. 107(2): 547-559 doi.org/10.1111/jfb.70058

41. Savage, A. M., Willmott, M. J.[x], Garcia, P. M.[x], Jagiello, Z[x], Li, D[x], Malesis, A.[x], Miles, L. S.[x], Román-Palacios, C.[x], Salazar-Valenzuela, D.[x], Verrelli, B. C.[x], Winchell, K. M.[x], Alberti, M., Bonilla-Bedoya. S., Carlen, E. J., Falvey, C., Johnson, L., Martin, E., Kuzyo, H., Marzluff, J., Munshi-South, J., Phifer-Rixey, M., Stadnicki, I., Szulkin, M., Zhou, Y., **Gotanda, K. M.** (2024) Online toolkits for collaborative and inclusive global research in urban evolutionary ecology *Ecology and Evolution*. 14(6): e11633 doi.org/10.1002/ece3.11633

[x]Toolkit leader (led development, writing, and editing of toolkit)

40. Hendry, A. P., Barrett, R. D. H., Bell, A. M., Bolnick, D. I., **Gotanda, K. M.**, Haines, G. E., Lind, A., Packer, M., Peichel, C. L., Peterson, C., Poore, H., Massengill, R., Milligan-McClennan, K. C., Steinel, N. C., Sanderson, S., Walsh, M. R., Weber, J. N., Derry, A. M. (2024) Designing eco-evolutionary experiments for restoration projects: opportunities and constraints revealed during stickleback introductions. *Ecology and Evolution* 14(6): e11503 doi.org/10.1002/ece3.11503

39. Urban, M. C., Alberti, M., De Meester, L., Zhou, Y., Verrelli, B. C., Szulkin, M., Schmidt, C., Savage, A. M., Roberts, P., Rivkin, L. R., Palkovacs, E. P., Munshi-South, J., Malesis, A. N., Harris, N. C., **Gotanda, K. M.**, Garroway, C. J., Diamond, S. E., Des Roches, S., Charmantier, A., Brans, K. I. (2024) Interactions between climate change and urbanization will shape the future of biodiversity. *Nature Climate Change*. 14(May 2024): 436-447 doi.org/10.1038/s41558-024-01996-2

38. Sanderson, S., Bolnick, D. I., Kinnison, M. T., O'Dea, R. E., Gorné, L. D., Hendry, A. P., **Gotanda, K. M.** (2023) Contemporary changes in phenotypic variation and the potential

consequences for eco-evolutionary dynamics. *Ecology Letters* 26(Suppl. 1): S127-S139 doi.org/10.1111/ele.14186

37. Beausoleil, M., Camacho, C., Rabadán-González, J., Lalla, K., Richard, R., Carrion-Avilés, P., Podos, J., Raeymaekers, J. A. M., Knutie, S. A., De León, L. F., Chaves, J. A., Clayton, D. H., Koop, J. A. H., Sharpe, D. M. T., **Gotanda, K. M.**, Huber, S. K., Barrett, R. D. H., Hendry, A. P. (2023) The fitness landscape of a community of Darwin's finches. *Evolution*. 77(12): 2533-2546 doi.org/10.1093/evolut/qpad160

** Evolution editor's choice

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. (2023) The difficulty of predicting evolutionary change in response to novel ecological interactions: a field experiment with *Anolis* lizards. *The American Naturalist* 201(4): 537-556 doi.org/10.1086/723209

35. Verrelli, B. C., Alberti, M., Des Roches, S., Harris, N. C., Hendry, A. P., Johnson, M. T. J., Savage, A. M., Charmantier, A.[x], **Gotanda, K. M.**[x], Govaert, L.[x], Miles, L. S.[x], Rivkin, L. R.[x], Winchell, K. M.[x], Brans, K. I., Correa, C., Diamond, S. E., Fitzhugh, 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

[x]Theme leader (led development, writing, and editing of themes)

34. *Heckley, A. M.*, Pearce, A. E., **Gotanda, K. M**., Hendry, A. P., Oke, K. B. (2022) 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

**Journal of Evolutionary Biology editor's choice for November 2022 https://twitter.com/JEvBio/status/1595389246117883904

33. Winchell, K. M., Aviles-Rodriguez, K. J., Carlen, E. J., Miles, L. S., Charmantier, A., De León, L. F., **Gotanda, K. M.**, Rivkin, 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., Yepez, 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-Jvostov, F., Reyes-Corral, W. D., Ritchot, Y., Sorbara, F., Hendry, A. P.[*], **Gotanda, K. M.**[*§] (2022) The pace of modern life, revisited. *Molecular Ecology* 31(4): 1028-1043 doi.org/10.1111/mec.16299

[§]Corresponding author

[**] Top 10 most cited paper in Molecular Ecology January 2022–December 2023

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. (2019) 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., Peréz-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. (2019) 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

Book Chapters

Angeoletto, F., **Gotanda, K. M.**, Leandro, D. D. S., + 25 co-authors. (2025) GLUEing the world: the Global Urban Evolution project and its importance to urban biodiversity conservation. In "Ecology of Tropical Cities – Natural and Social Sciences Applied to the Conservation of Urban Biodiversity" Editors: Angeoletto, F., Tryjanowski, P., Fellowes, M., Springer Nature

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

Gorné, L. D.[PD], Hendry, A. P., Pelletier, F., **Gotanda, K. M.** (in review) Genome size and phenotypic change: insights on contemporary evolution across biological groups. *Journal of Evolutionary Biology*. MS: JEB-2025-00168

Muraca, T., **Gotanda, K. M.**, (in review) The effect of variant diet on growth and boldness in juvenile Trinidadian guppies (*Poecilia reticulata*). *Zebrafish* MS: ZEB-2025-0051

Arechiga, K., Davis, E., Bonilla-Bedoya, S., Verrelli, B. C., Johnson, M. T. J., **Gotanda, K. M.**, Savage, A. M., Estacio, I., Lim, C. C., Waller, M., Salazar-Valenzuela, D.*, Román Palacios, C.* (in review) A global framework to compare cities for research in urban evolutionary ecology and related fields. *Nature Cities* MS: NATCITIES-25060923

Alberti, M., Grimm, N. B., Palkovacs, E. P., Urban, M. C., Verrelli, B. C., Anderson, P., Carlen, E. C., Cocciardi, J. M., Cook, E. M., Fortin, M., **Gotanda, K. M.**, Hobbie, S., Johnson, M. T. J., Malesis-Dahm, A. N., Miles, L. S., Román Palacios, C., Phifer-Rixey, M., Salazar-Valenzuela, D., Savage, A. M., Snyder, R., Winchell, K. M., Zhou, Y. (in review) Evolving nature-based solutions for urban resilience. *Science* MS: aea9563

Carrión. P. L., Marc-Olivier Beausoleil, M., Raeymaekers, J. A. M., De León, L. F., Chaves, J. A., Sharpe, D. M. T., Huber, S. K., Herrel, A., **Gotanda. K. M.**, Koop, J. A. H., Knutie, S. A., Clayton, D. H., Podos, J., Barrett, R. D. H., Guichard, F., Hendry, A. P. (in review) Darwin's finches and climate change: insights from a resilient system. *Journal of Evolutionary Biology* MS: JEB-2025-00094.R1

Rovenolt, F., Walsman, J. C., Martin, C. H., **Gotanda, K. M.**, Stephenson, J. F. (in revision) Parasite prevalence depends on female preference: integrating parasite-mediated sexual selection and infectious disease dynamics. *The American Naturalist* MS: 62441 Preprint: https://doi.org/10.22541/au.172447480.06236699/v2

Heckley, A. M., Barrett, R. D. H., Bell, A. M., Bolnick, D. I., Dinh, F., Eckert, L., Haines, G. E., Peichel, C. L., Hendry, A. P., **Gotanda, K. M.** (in revision) Testing the determinants of dispersal: insights from a whole-lake conservation translocation of threespine stickleback. *Freshwater Biology* MS: FWB-P-Mar-25-0156

Love, A. E., Lighten, J., van Oosterhout, C., Papadopulos, A. S. T., King, S. D., Paterson, I. G., Delaire, L. C., Baillie, L., Bradbury, I. R., Fox, J. A., Perez-Jvostov, F., Dargent, F., Scott, M., Fussmann, G. F., Hendry, A. P., Bentzen, P., **Gotanda, K. M.** (in prep) Interpreting relationships among MHC, parasites, and secondary sexual colouration in a natural system. Target journal: *Molecular Ecology*

Gotanda, K. M., Herrel, A., Love, A. C., McCaffrey, T., Knutie, S. A., Chaves, J. A., Tattersall, G. J. (in prep) Bite force variation between urban and non-urban finches. Target journal: *Functional Eccology*

Vlahiotis, K., Summerville, M., Hogg, C. J., Moehrenschlager, A., Shapiro, B., Steeves, T. E., Vilà, C., van Heezik, Y., **Gotanda, K. M.** (in prep) Do conservation translocations involve or result in hybridization and what are the consequences of hybridization for conservation? A systematic review. Target journal: *Conservation Biology*

Pre-prints

Gotanda, K. M.*, Farine, D. R.*, Kratochwil, C. F.*, Laskowski, K. L.*, Montiglio, P. O.* (pre-print) Animal behaviour facilitates eco-evolutionary dynamics http://arxiv.org/abs/1912.09505

Vlahiotis, K., Hogg, C. J., Moehrenschlager, A., Shapiro, B., Steeves, T. E., Vilà, C., van Heezik, Y., **Gotanda, K. M.** (pre-print) Do conservation translocations involve or result in hybridization and what are the consequences of hybridization for conservation? A systematic review protocol. *Open Science Framework* doi: 10.31219/osf.io/rg59a https://osf.io/rg59a/

Rovenolt, F., Walsman, J. C., Martin, C. H., **Gotanda, K. M.**, Stephenson, J. F. (in revision) Parasite prevalence depends on female preference: integrating parasite-mediated sexual selection and infectious disease dynamics. *Authorea.* Preprint: https://doi.org/10.22541/au.172447480.06236699/v2

Other Contributions (non peer reviewed)

Vazquez-Cardona, J., Andres-Bray, T., Bleakley, B., Carmargo-Cely, A., Ghosh, N., McLaughlin, J., **Gotanda, K.** (2025). Understanding Natural Selection: Definitions, Historical Development, Mechanisms, and Usage in Contemporary Times. Resources for Inclusive Evolution Education, QUBES Educational Resources. doi:10.25334/6EVN-DK28

Au, P., Serra, R., Carreira, S., Cabaça, M, **Gotanda, K. M.** (2025). Examining whether prepartum behaviour expression is a reliable indicator of embryo implantation in the Iberian lynx (*Lynx pardinus*). Report prepared for the Centro Nacional de Reproducao de Lince Iberico, Silves, Portugal.

Editors: Hendry, A. P., Bolnick, D. I., **Gotanda, K.M.**, Eco-Evo Evo-Eco blog. https://ecoevoevoeco.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

In Prep	PI on Canadian Institute for Advanced Research (CIFAR) Azrieli Global Scholars Program. "Humanity's Urban Future", $100,000 CAD
In Prep	PI on Ontario Government's Ontario Early Research Award "The effects of urbanization on the ecology of black-capped chickadees in Ontario"; $150,000 CAD
Pending	Co-Vice Chair on New Proposed Gordon Conference "Urban Evolution and Ecology", Chair: Marc Johnson, Co-Chair: Anne Charmantier, Vice Chair: Brian Verrelli.
2025–2026	PI on Natural Sciences and Engineering Research Council of Canada (NSERC) Research Tools and Instruments (RTI) Grant "Urgently needed flow-through fish racks to assess the ecological consequences of introduced domestic and wild guppies", $117,501 CAD

2025	PI on Roger Williams Park Zoo/Rhode Island Zoological Society Sophie Danforth Conservation Biology Fund "The role of multimodal signaling in mate choice in *Spheniscus* penguins"; $1,000 USD
2025	Co-PI with graduate student lead PI (Wilder) on Wildlife Acoustics Scientific Product Grant "Multimodal communication in human managed Humboldt penguins (*Spheniscus humboldti*)"; $2,994 USD
2024	Team Leader on Canada Foundation for Innovation Fund "Clean agriculture for sustainable production (CASP) field infrastructure", PIs: Sudarsana Poojari and Jim Willwerth; $3,564,834 CAD
2024	Team Leader on Ontario Research Fund – Large Infrastructure Fund program "Clean agriculture for sustainable production (CASP) field infrastructure", PIs: Sudarsana Poojari and Jim Willwerth; $3,500,000 CAD
2024	PI on Brock University Advancement Fund (BUAF) Explore Grant "The effects of urbanization on behaviour in Darwin's Finches"; $7,000 CAD
2024	PI on Roger Williams Park Zoo/Rhode Island Zoological Society Sophie Danforth Conservation Biology Fund "The role of multimodal signaling in mate choice in *Spheniscus* penguins"; $1,000 USD
2024	Lead PI on European Society for Evolutionary Biology Outreach Initiative Fund; €4,000
2023	Co-PI on Society for Molecular Biology & Evolution Inclusion, Diversity, Equity, and Access (IDEA) Initiatives; $14,000 USD
2023	Co-PI on American Genetic Association Special Event Award; $10,000 USD
2023–2028	PI on Natural Sciences and Engineering Research Council of Canada (NSERC) Discovery Grant "Human influences on rapid adaptation and phenotypic change"; $165,000 CAD
2023–2024	PI on Natural Sciences and Engineering Research Council of Canada (NSERC) Discovery Launch Supplement "Human influences on rapid adaptation and phenotypic change"; $12,500 CAD
2022–2023	PI on Brock University Advancement Fund (BUAF) Explore Grant "Behavioural variation and dispersal in three-spine sticklebacks"; $7,000 CAD
2021–2022	Brock Faculty of Maths. and Sci. Postdoc. Fellows Support Award; $25,000 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

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 Trottier 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

2024 Faculty of Mathematics and Science Graduate Faculty Leadership Award
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

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 Seminars *Invited by Graduate Student Body

Upcoming McMaster University, Department of Biology, Canada
2025 Habitat 67, Montreal, Canada
University of Bristol, School of Biological Sciences, United Kingdom
2024 State University of New York – Syracuse, Dept. of Enviro. Biology, United States
Université de Sherbrooke, Department of Biology, Canada
McGill University, Department of Biology, Canada
2023 Brock University, Environmental Sustainability Research Centre, Canada
University of Guelph, Department of Integrative Biology, Canada
Adelphi University, Biology-College of Arts and Science, United States

Hólar University, Department of Fisheries and Aquaculture, Iceland
California State University Los Angeles, Dept. Biol. Sci., United States
Ontario Biology Day (invited plenary), Brock University, Canada
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
Penn State University, Department of Biology, 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 10th 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

2025 Canadian Society for Ecology and Evolution. Sherbrooke, QC, Canada, in person
2024 3rd Joint Congress on Evolutionary Biology, Montreal, Canada, in person
Symposium: A vision of the future: integrating perspectives in the evolution of visual systems
Animal Behavior Society, London, Ontario, Canada, in person
2023 Animal Behavior Society, Portland, Oregon, United States, in person
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, Virtual
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 *2nd 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
1st 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	Supervised 1 Postdoctoral Fellow, Brock University

Postgraduate Supervising

2024–now	Supervise 1 PhD student, Brock University
2022–now	Supervise 1 PhD student, Brock University
2020–2025	Co-supervise 1 PhD student, McGill University
2021–2025	Committee member 1 PhD student, Brock University
2022–now	Committee member 1 PhD student, McGill University
2021–2024	Supervise 1 MSc student, Brock University
2022–2024	Committee member 2 MSc student, Brock University
2020–2023	Committee member 1 MSc student, San Francisco State University
2019–2022	Committee member 1 MSc student, Université du Québec à Montréal

Undergraduate Supervisions

2025–now	Supervise 1 NSERC Undergraduate Student Research Award, Brock University
2024–2025	Supervised 3 Undergraduate Honours Thesis student, Brock University
2024	Supervised 1 Match of Mind student, Brock University
2023–2024	Supervised 2 Undergraduate Honours Thesis student, Brock University
2023	Supervised 2 NSERC Undergraduate Student Research Award, Brock University
2022–2023	Supervised 3 Undergraduate Honours Thesis student, Brock University
2022–2023	Supervised 2 Match of Mind student, Brock University
2021–2023	Supervised 2 Undergraduate Thesis student, Brock University
2021	Supervised 1 Co-op student, Brock University
2017–2020	Supervised 4 undergraduate's independent projects; U. Cambridge
2021–2022	Committee member 1 Undergraduate Honours Thesis student, Brock University

Mentoring

2021–now	Mentor to 3 postdoctoral research fellows through Women and Non-Binary People of Colour in Ecology and Evolutionary Biology's one-to-one mentorship program
2021	Mentored 3 undergraduates for the virtual Evolution conference
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
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

2018, 2020–now	Animal Behaviour Course; University of Connecticut; Professor: Dr. Sarah Knutie Manuscript discussed: "Human influences on antipredator behaviour in Darwin's finches"
2024	Animal Behaviour Course; University of N. Texas; Professor Elinor Lichtenburg Manuscript discussed: "Human influences on antipredator behaviour in Darwin's finches"
2024	Graduate Evolution Course; Rutgers University; Professor Lily Khadempour Presentation and discussion "Adaptation in a changing world: human influences on evolution"
2020–2022	Ecology Course, Gettysburg College; Professor: Dr. Natasha Gownaris Manuscript discussed: "Human influences on antipredator behaviour in Darwin's finches"
2022	Genetics; Loyola University; Professor: Dr. Sara Lipshutz
2017	Workshops in Ecology and Behaviour; University of Bristol Manuscript discussed: "Human influences on evolution, and the ecological and societal consequences"

COLLABORATIVE RESEARCH GROUPS

2024–now	PI for a project working with the St. Catharines City Council and the Willow Arts Community researching the effects of urbanization on black capped chickadees in St. Catharines (https://www.kiyokogotanda.com/black-capped-chickadees.html).
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 (https://alaskastickleback.com/).
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.
2021–2024	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".

2022–2024	Steering Committee Member, National Science Foundation Research Coordination Networks; "Eco-Evolutionary Dynamics in an Urban Planet: Underlying Mechanisms and Ecosystem Feedbacks"
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

Editorial Boards

2025–now	Associate Editor at The American Naturalist

Committees and Associations

2025–now	Councillor for the Canadian Society for Ecology and Evolution
2024–now	Steering Committee Member for the Pan-Canadian Interdisciplinary Urban Research Network
2023–now	Management Board Member of the Canadian Institute of Ecology and Evolution/Institut canadien d'écologie et d'évolution
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.
2021–2024	Research Coordination Network Steering Committee Member, international
2021–2023	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.

Conference and Performance Organization

2024–now	Faculty advisor for the 2026 OE3C (Ontario Ecology, Evolution, and Ethology Colloquium) Local Organizing Committee at Brock University
2021–now	Faculty Advisor, Graduate Math and Science Society (GRAMSS) Graduate Research Day (GRaD), annual graduate student conference, Brock University
2023	Member of Organizing Committee, Ontario Biology Day, annual undergraduate conference, Brock University
2022	Co-coordinator, NSF funded workshop on "Building collaborations to investigate the effects of urbanization on eco-evolutionary dynamics across the LTER network"
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

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

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

Upcoming	Animal Behaviour Podcast; Season 4 https://animalbehaviorpod.com/
Upcoming	Ecologies in Practice Podcast; https://ecologiesinpractice.ca/
2025	Brock News, "Wildlife research takes flight in St. Catharines neighborhood" https://brocku.ca/brock-news/2025/03/wildlife-research-takes-flight-in-st-catharines-neighbourhood/
2024	St. Catharines Standard, "'It is possible to coexist withcoyotes': Interactions between wildlife, Niagara's growing population on the rise" by Allan Benner https://tinyurl.com/3brmeksk

2024	Brock News, "Brock undergrad students reflect on real-world research opportunities" by Cathy Majteni https://brocku.ca/brock-news/2024/05/brock-undergrad-students-reflect-on-real-world-research-opportunities/
2023	Live Science, "Why do so many baby animals have spots?" by Amanda Heidt https://www.livescience.com/animals/why-do-so-many-baby-animals-have-spots
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

Peer-reviewed manuscripts

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

Grant reviews

2025	Canadian Institute for Ecology and Evolution International Joint Synthesis Call on Climate Change and Biodiversity Change
2025	Natural Sciences and Engineering Council of Canada Discovery Grant, external reviewer
2025	Canadian Embassy CIEE-CESAB Working Group Competition
2024	Canadian Foundation for Innovation John R. Evans Leaders Fund, external reviewer

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	