Kayla Christina King

Department of Zoology *and* Department of Microbiology & Immunology
University of British Columbia
Email: kayla.king@ubc.ca
Lab website: www.zoology.ubc.ca/kinglab

My research group studies the evolutionary and ecological dynamics of host-pathogen interactions across environments and the tree of life.

Personal Details:

Nationality: Canadian/British
Periods of Maternity Leave: November 2014 – May 2015 and November 2017 – May 2018

Current Position:

2023-present Professor and Canada Excellence Research Chair, Department of Zoology and Department of Microbiology & Immunology, University of British Columbia
Co-Director, **Pre**pare for **P**andemics through **A**dvanced **R**esearch in **E**volution (PrePARE) Research Cluster

Education and Previous Positions:

2023-2026 Professorial Research Fellow, Department of Biology, University of Oxford

2019-2023 Professor in Evolutionary Ecology, Department of Biology, University of Oxford

2021-2022 International Research Scholar, Peter Wall Institute for Advanced Studies and Biodiversity Research Centre, UBC

2013-2019 Associate Professor, Department of Biology, University of Oxford
Tutorial Fellow in Biological Sciences, Christ Church College

2011-2013 Royal Society Newton Fellow, Institute of Integrative Biology, University of Liverpool (Advisor: G.D.D. Hurst)

2006-2011 PhD. Evolution and Genetics. Department of Biology, Indiana University, USA (Advisor: C.M. Lively)

2004-2006 MSc. Parasitology and Ecology. Department of Biology, Concordia University, Canada. (Advisor: D.J. Marcogliese)

2001-2004 BSc. in Ecology. Department of Zoology, University of British Columbia, Canada. (Advisor: D. Schluter)

Grant Funding:

2026 NSERC Post-doc Fellowship (J. Li, Host, 24 months)

2025 National Science Foundation Post-doc Fellowship (M. Blazanin, Host, 36 months)

2025 NSERC Research Tools & Instruments (Co-PI, PI Elitza Tocheva UBC, $146,883 CAD)

2025 NSERC Arthur B. McDonald Fellowship Prize (PI, 24 months, $250,000 CAD)

2024 BC Centre for Disease Control Strategic Awards Initiative, "*An Investigation of California*

Serogroup Viruses in the Vancouver Coastal Health Region: Proposal for a Pilot Project for Enhanced Mosquito Surveillance" (Co-PI, PI Anya Smith BC CDC, 12 months, $15,000 CAD)

2024 Canada Biomedical Research Fund and Biosciences Research Infrastructure Fund, "*PROGENITER: Pathogen Response Optimization by GENeratIng ThErapeutics Rationally*" (Co-PI, PI Sriram Subramanian UBC, 60 months, $30.86M)

2023 Canada Excellence Research Chair in Evolutionary Dynamics of Host-Pathogen Interactions (PI, 96 months, $8M CAD)

2023 Canadian Foundation for Innovation John R. Evans Leaders and B.C. Knowledge Development Fund, "*LEEP, Laboratory for Experimental Evolution of Pathogens*' (PI, $1.1M)

2023 Natural Science & Engineering Research Council of Canada Discovery Grant *'Host-parasite interactions in a changing environment'* (PI, 60 months, $520,000 CAD)

2022 Natural Environment Research Council UK Standard Research Grant, '*Host-parasite coadaptation in a warming world*' (PI, Co-PI Tim Barraclough Oxford, Thomas Richards, Daniel Bebber, 36 months, £750,000)

2021 NERC Standard Research Grant, '*Tempo and mode of evolutionary dynamics in wild bacterial communities'* (Co-I, P-I Tim Barraclough, 36 months, £845,000)

2021 NERC Environmental 'Omics Facility Grant (PI, 12 months, £9,000)

2021 NEOF Environmental Grant (PI, 12 months, £8,864)

2020 NSF Fellowship (K. Hoang, Host, 36 months)

2019 Christ Church College Research Grant, 'Heat and pathogen evolution*'* (PI, 12 months, £30,000)

2019 Swiss National Science Foundation Fellowship (A. Gomez, Host, 24 months)

2018 European Research Council Starter Grant '*COEVOPRO: Drivers and consequences of coevolution in a protective symbiosis'* (PI, 66 months, €1,500,000)

2018 Oxford University Returning Carer's Fund (£5,000)

2017 Philip Leverhulme Prize (PI, 24 months, £100,000)

2017 Wellcome Trust ISSF Grant '*Establishing an animal-microbiota model: can good microbes shape host responses to pathogens?* (PI, 18 months, £99,790)

2015 Leverhulme Project Grant '*Transitions to defensive mutualism: an experimental coevolution approach'* (PI, 36 months, £227,000)

2015 Oxford University Returning Carer's Fund (£5,000)

2014 John Fell Fund '*Protective bacteria: establishing an evolving gut microbiome in C.elegans*' (PI, 18 months, £93,000)

2014 Royal Society Grant '*Can gut microbiota drive parasite evolution?*' (PI, 12 months, £13,000)

2014 British Ecological Society Small Grant '*Beyond the Red Queen: do gut microbiota impact snail-trematode coevolution*? (PI, 24 months, £5,000)

2012 Royal Society Newton International Fellowship '*Coinfection and coevolution: an experimental evolution approach*' (PI, 20 months, £105,000) *fellowship published success rate is 7%

2011 NERC Standard Research Grant '*Beyond the Red Queen: are elevated parasite evolutionary*

rates driven by host shifts?' (Co-I, PI Greg Hurst Liverpool, 36 months, £560,000)

Awards and Fellowships:

2026 Royal Society of London Francis Crick Medal and Lecture

2024 Elected to Royal Society of Canada College of New Scholars

2024 Natural Science & Engineering Research Council of Canada Arthur B. McDonald Prize

2023 Society for Molecular Biology and Evolution Mid-Career Excellence Award

2023 Canada Excellence Research Chair in Evolutionary Dynamics of Host-Pathogen Interactions

2023 Canadian Society of Zoologists R.A. Wardle Medal for Parasitism, Immunity, and Environment

2023 Elected Fellow of Linnean Society of London

2022 Zoological Society of London Scientific Medal

2022 Elected Fellow of Zoological Society of London

2021 University of British Columbia Peter Wall Institute International Scholar Fellowship

2020 Linnean Society of London Bicentenary Medal

2018 Philip Leverhulme Prize for Biological Sciences

2017 Oxford University Student's Union Outstanding Graduate Supervisor Award

2013 American Society of Naturalists Jasper Loftus-Hills Young Investigator Prize

2012 Royal Society Newton International Fellowship '*Coinfection and coevolution: an experimental evolution approach*' (PI, 20 months, £105,000)

2012 University of Liverpool Junior Faculty Fellowship (36 months, £45,000 + salary; declined)

2011 Swiss Institute of Aquatic Science and Technology post-doctoral fellowship (24 months, 210,000 Fr.; declined)

2010 Indiana University Doctoral Fellowship (12 months, $22,500 US)

2009 ThinkSwiss Research grant (3,000 Swiss Fr.)

2009 College of Arts & Science award, Indiana University ($1,000 US)

2009 Society for the Study of Evolution award ($1,000 US)

2009 Evolution, Ecology, and Behaviour grant, Indiana University ($2,500 US).

2007 Natural Science and Engineering Research Council Canada PhD fellowship (36 months, $63,000 CAN)

2006 and earlier METACyt Molecular Evolution award ($5,000 US)
UK Overseas Research Student award (36 months, £30,000; declined)
Canadian Society of Zoology Murray Fallis prize ($1,000 CAN)
American Society of Parasitologists prize ($1,000 CAN)
Concordia University Graduate scholarship ($5,000 CAN)
NSERC MSc fellowship (24 months, $20,000 CAN)
Concordia University Graduate fellowship ($10,000 CAN)
NSERC Undergraduate Student Research Award ($5,000 CAN)

University of British Columbia Scholar (48 months, $20,000 CAN)
Canadian Millennium Provincial Scholarship (48 months, $16,000 CAN)
Queen's Golden Jubilee Medal

Publications:

1. Will, I., Smith, C., Hector, T.E., King, K.C. **2026.** Coinfections dampen the effects of temperature on host-parasite interactions. *Ecology Letters*. Accepted.
2. King, K.C., Saad-Roy, C., Coombs, D., Ashby, B. **2026**. Understanding the exponential growth of epidemics. *Microbiology* 172.
3. Blackwood, P.E., King, K.C., Chan, A.M., Gehman, A.M. **2026**. *Vibrio pectenicida*: the deadly marine bacteria with strains impacting seastars and scallops*. Microbiology* 172.
4. Hector, T.E., Kreiner, J., Forward, J., Hoang, K.L., Johnson, S., Li, J.D, King, K.C. **2026**. Virulent parasite emerge in hosts with rising temperatures. *Global Change Biology* 32, e71082.
5. Silva, L.M., Vinopal, D., Travers-Cook, T., Choi, V., King, K.C. **2026**. Parasite transmission heterogeneity driven by uncoupled spreading and shedding. *Current Biology* 36, 4136-4150.
6. Greenrod, S.T.E., Cazeres, D., Hector, T.E., Maclean, R.C., King, K.C. **2026**. Evolutionary rescue accelerates competitive exclusion in a parasite community. *ISME J* wrag114.
7. Li, J.D., Will, I., Travers Cook, T., Silva, L., Blackwood, P., King, K.C. **2026**. Host microbiota can shape infection ecology and evolution in the wild. *Molecular Ecology* 35, e70281.
8. Greenrod, S.T.E., Cazeres, D., Hector, T.E., Maclean, R.C., King, K.C. **2026**. Competition constrains parasite adaptation to thermal fluctuations. *Evolution Letters* qrag016.
9. Rafaluk, C., Pike, V., Franz, M., King, K.C. **2026**. The most virulent parasite determines virulence in coinfection: a meta-analysis. *Parasitology* 153, 540-548.
10. Travers-Cook, T.J. Gonzalez, E.G., Jokela, J., King, K.C., Knight, S., Buser, C.C. **2026**. Toxin-encoding coinfections drive intransitive dynamics between allelopathic phenotypes in natural yeast populations. *Journal for Evolutionary Biology* 39, 404-411.
11. Will, I., King, K.C.*, Bates, K.A.* **2025.** Host transcriptomics reveal ease in defence-reproduction trade-offs during coinfection. *Molecular Ecology* 34, e70124.
12. Silva, L., King, K.C. **2025.** Ecology and Evolution of Virulence. *Current Biology* 35, R871-R875.
13. Li, L.Q., Paarts, L., Madgwick, P., King, K.C., Flemming, A., Woollard, A. **2025**. A proof of concept experimental-theoretical approach to predict pesticide resistance evolution. *Heredity*.
14. Cortazar-Chinarro, M., King, K.C., Lille, M. **2025**. MHC diversity: temporal and spatial variation. *Ecology and Evolution* 15, e71371.
15. Stevens, E.J., Li, J.D., Hector, T.E., Drew, G.C., Greenrod, S.T.E., Paterson, S., King, K.C. **2025**. Within-host competition sparks pathogen molecular evolution and perpetual microbiota dysbiosis. *The ISME Journal* 19, wraf071.
16. Sant, D.G., Smith, T.P., Wong, E.L.Y., Cohen, J., King, K.C., Bell, T., Barraclough, T.G. **2025**. Eco-evolutionary robustness of wild bacterial communities to environmental perturbation. *The ISME Journal* 19, wraf144.
17. Muloi, D.M., Caron, A., Berkley, J., Hassell, J., Brito, I., King, K.C., Moddley, A., Fevre, E. **2025**. Using the microbiome to study connectivity at human-animal interfaces. *Trends in Microbiology* 33, 1110-1120

18. Greenrod, S.T.E., Hector, T.E., Blazanin, M., King, K.C. **2025**. Temperature as a driver of phage ecology and evolution. *Annual Review of Microbiology* 79, 497-522

19. Silva, L.M., King, K.C., Koella, J. **2025.** Dissecting transmission to understand parasite evolution. *PLoS Pathogens* 21, e1012964.

20. Li, J.D., Smith, C., Chen, J., Bates, K.A., King, K.C. **2025**. Warming during different life stages has distinct impacts on host resistance ecology and evolution. *Ecology Letters* 28, e70087.

21. Li, J.D., King, K.C**. 2025**. Microbial Primer: Microbiome and thermal tolerance – a new frontier in climate resilience? *Microbiology* 171, 001523.

22. Chen, M.Y., Fulton, L., Huang, I., Liman, A., Hossain, S., Hamilton, C., Song, S., Geissmann, Q., King, K.C., Haney, C.H. **2025**. Order among chaos: high throughput MYCroplanters can distinguish interacting drivers of host infection in a highly stochastic system. *PLoS Pathogens* 21, e1012894.

23. Cai, T., Nadal Jimenez, P., Gao, Y., Arai, H., Li, C., Su, C. King, K.C., He, S., Li, J., Hurst, G.D.D., Wan, H. **2025**. Insecticide susceptibility in a planthopper pest increases following inoculation with cultured *Arsenophonus*. *The ISME Journal* 18, wrae194.

24. Li, J.D., Guttman, N., Drew, G.C., Hector, T.E., Wolinska, J., King, K.C. **2024**. Warming-induced excess deaths of infected animals depend on pathogen Kingdom and evolutionary history. *PLoS Biology* 22: e3002900.

25. Will, I.*, Stevens, E.J.*, King, K.C. **2024**. 'Re-wilding' an animal model with microbiota shifts immunity and stress gene expression during infection. *Molecular Ecology* 34, e17586.

26. Greenrod, S.T.E., Cazeres, D., Johnson, S., Hector, T.E., Stevens, E.J., MacLean, C., King, K.C. **2024**. Warming alters life history traits and competition in a phage community. *Applied and Environmental Microbiology* 0, e00286-24.

27. Siozios, S., Nadal-Jimenez, P., Azagi, T., Sprong, H., Frost, C.L., Parratt, S.R., Taylor, G., Brettell, L., Liew, K.C., Croft, L., King, K.C., Brockhurst, M.A., Hypša, V., Novakova, E., Darby, A.C., Hurst, G.D.D. **2024**. Genome dynamics across the evolutionary transition to endosymbiosis. *Current Biology.* In press.

28. Tan, Y.Y., Chang, W.H., Cox. M., King, K.C., Lai, A.G. **2024**. Impact of the COVID-19 pandemic on healthcare utilisation among patients with cancer: A comprehensive phase-by-phase time-series analysis of over 7.9M attendances from nationwide GPs and hospitals across 28 primary cancers and 10 secondary cancers. *Lancet Digital Health* 6, e691-e704.

29. Hoang, K.L., Salguero-Gomez, R., Pike, V., King, K.C. **2024.** The impacts of host association and perturbation on symbiont fitness. *Symbiosis* 92, 439-451.

30. Hoang, K.L., Read, T., King, K.C. **2024**. Incomplete immunity in a natural animal-microbiota selects for higher pathogen virulence. *Current Biology* 34, 1357-1363.

31. Hoang, K.L., Read T., King, K.C. **2024**. Population variation in symbiosis increases pathogen nucleotide diversity. *American Naturalist* 204, 370-380.

32. Li, J., Gao, Y., Stevens, E.J., King, K.C. **2024**. Dual stressors of warming and infection destabilise host microbiota. *Philosophical Transactions of the Royal Society* 379.

33. Pike, V., Stevens, E., Griffin, A., King, K.C. **2023.** Within- and between-host interactions between producer and non-producer parasites. *Parasitology* 150, 805-812.

34. Hasik, A., King, K.C.*, Hawlena, H.* **2023**. Competition between host species can drive virulence evolution via a network of effects. *Biology Letters* 19.

35. Santiago, I., King, K.C., Drew, G.C. **2023.** Interactions between insect vectors and plant pathogens span the parasitism-mutualism continuum. *Biology Letters* 19.
36. King, K.C., Hall, M.D., Wolinska, J. **2023**. Infectious disease ecology and evolution in a changing world. *Philosophical Transactions of the Royal Society* 378.
37. Hector, T.E., Gehman, A., King, K.C. **2023.** Infectious disease burdens under thermal stress: ecological and evolutionary implications. *Philosophical Transactions of the Royal Society* 378.
38. Li, J.D., Bates, K.A., Hector, T.E., Hoang, K.L., Knowles, S.C., King, K.C. **2023.** Experimental temperatures shape host microbiome diversity and composition. *Global Change Biology* 29, 41-56.
39. Ford, S.A.*, Drew, G.C.*, King, K.C. **2022**. Immune-mediated competition benefits protective microbes over pathogens in a novel host species. *Heredity* 129, 327-335.
40. Hoang, K.L., King, K.C. **2022**. Symbiosis: partners in crime. *Current Biology* 32, PR1018-R1020.
41. Wu-Chuang, A., Bates, K.A., Obregon, D., King, K.C.*, Cabezas-Cruz, A.* **2022**. Rapid evolution of a novel beneficial microbe into keystone taxon in *C.elegans* microbiota. *Scientific Reports* 12, 14045.
42. Ordovás-Montañés, M., Preston, G., Hoang, K.L., Rafaluk-Mohr, C., King, K.C. Trade-offs in defence to pathogen species revealed in expanding nematode populations. **2022**. *Journal for Evolutionary Biology* 35, 1002-1011.
43. King, K.C. **2022**. Q&A. *Current Biology* 32, PR404-R406.
44. Hoang, K.L., King, K.C. **2022.** Symbiont-mediated immune priming in animals through an evolutionary lens. *Microbiology* 168.
45. Hector, T.E., Hoang, K., Li, J.D., King, K.C. **2022**. Symbiosis and host responses to heating. *Trends in Ecology and Evolution* 37, 611-624.
46. Bates, K.A., Neiman, M., Higgins, C., King, K.C. **2022**. Turning the tide on sex and the microbiota in aquatic animals. *Hydrobiologia* 850, 3823–3835.
47. Ordovás-Montañés, M., Preston, G., Drew, G.C., Rafaluk-Mohr, C., King, K.C. **2022**. Reproductive consequences of transient pathogen exposure across host genotypes and generations. *Ecology and Evolution* 12, e8720.
48. Rafaluk-Mohr, C., Gerth, M., Sealey, J., Ekroth, A.K.E., Aboobaker, A.A., Kloock, A., King, K.C. **2022.** Microbial protection favours mortality tolerance and alters host-parasite coevolutionary dynamics. *Current Biology* 32, P1593-P1598.
49. Drew, G., King, K.C. **2022.** More or less? The role of symbiont density in protective mutualisms. *American Naturalist* 199.
50. Gomez-Chamorro, A., Hodzik, A., King, K.C.*, Cabezas-Cruz, A.* **2021.** An ecological and evolutionary perspective on coinfections in ticks. *Current Research in Parasitology and VectorBorne Diseases* 1:100049.
51. Bates, K.A., King, K.C. **2021.** *Leucobacter*. *Trends in Microbiology.*
52. Bates, K.A., Bolton, J.S., King, K.C. **2021.** A globally ubiquitous symbiont can drive experimental host evolution. *Molecular Ecology* 30, 3882-3892.
53. Stevens, E., Bates, K., King, K.C. **2021.** Host microbiota can facilitate infection. *PLoS Pathogens* 17, e1009514.
54. Marcogliese, D.J., King, K.C., Bates, K.A. **2021**. Effects of combined stressors in leopard frogs in agricultural wetlands. *Parasitology* 148, 827-834.

55. Drew, G.*, Stevens, E.*, King, K.C. **2021.** Microbial evolution and transitions along the mutualist-parasite continuum. *Nature Reviews Microbiology.*
56. Ekroth, A.K.E., Gerth, M., Stevens, E., Ford, S.A., King, K.C. **2021**. Host genotype and genetic diversity shape the evolution of a novel bacterial pathogen. *The ISME Journal* 15, 2146–2157.
57. Ford, S., King, K.C. **2021.** *In vivo* microbial coevolution favours host-protection and plastically downregulates immunity. *Molecular Biology and Evolution* 38, 1330-1338.
58. Bankers, L., Dahan, D. Neiman, M., Frost, C.L., Hurst, G.D.D., King, K.C. **2021.** Invasive freshwater snails form novel microbial relationships. *Evolutionary Applications* 14, 770-780.
59. Kloock, A., Bonsall, M.B., King, K.C. **2020**. Evolution and maintenance of microbe-mediated protection during occasional pathogen infection. *Ecology and Evolution* 10, 8634-8642.
60. King, K.C., Hurst, G.D.D., Lewis, Z. **2020.** Let's emerge from the pandemic lockdown into a fairer academic world. *Current Biology* 30, PR799.
61. Dahan, D., Preston, G., Sealey, J., King, K.C. **2020.** Impacts of a novel defensive symbiosis on the nematode host microbiome. *BMC Microbiology* 20, 159.
62. King, K.C., Drew, G., Stevens, E. **2020**. Microbiome: evolution in a world of interaction. *Current Biology* 30, R265-R267.
63. Frost, C.L., Siozios, S., Nadal-Jimenez, P., Brockhurst, M., King, K.C., Darby, A., Hurst, G.D.D. **2020**. Hypercomplex genome of an insect reproductive parasite highlights the importance of lateral gene transfer in symbiont biology. *mBio* 10.1128/mBio.02590-19.
64. Hall, A., Ashby, B., Bascompte, J., King, K.C. **2020**. Measuring coevolutionary dynamics in communities of more than two species. *Trends in Ecology and Evolution* 35, 539-550.
65. Pike, V., Ford, S.A., King, K.C., Rafaluk-Mohr, C. **2019**. Fecundity compensation due to stress response in *Caenorhabditis elegans. Ecology and Evolution* 9, 11957-11961.
66. Ekroth, A.K.E., Rafaluk-Mohr, C., King, K.C. **2019**. Host genetic diversity limits parasite success beyond agricultural systems: a meta-analysis. *Proceedings of the Royal Society B* 286.
67. Pike, V., Lythgoe, K.*, King, K.C.* **2019**. On the diverse and opposing effects of nutrition on pathogen virulence. *Proceedings of the Royal Society B* 286.
68. Meirmans, S., Butlin, R., Charmantier, A., Engelstaedter, J., Groot, A., King, K.C., Kokko, H., Reid, J., Neiman, M. Science policies: how should science funding be allocated? An evolutionary biologists perspective. **2019.** *Journal for Evolutionary Biology* 32, 754-768.
69. King, K.C. **2019.** Defensive Symbionts. *Current Biology* 29, R78-R80.
70. Betts, A., Gray, C., Zelek, M., Maclean, R.C.*, King, K.C.* **2018**. High parasite diversity accelerates host adaptation and diversification. *Science* 360, 907-911.
71. Rafaluk-Mohr, C., Ashby, B., Dahan, D., King, K.C. **2018.** Mutual fitness benefits arise during coevolution in a nematode-defensive microbe model. *Evolution Letters* 2, 246-256.
72. Decaestecker, E., King, K.C. **2018.** Red Queen dynamics. Elsevier Encyclopedia of Ecology.
73. Ashby, B., King, K.C. **2017**. Friendly foes: the evolution of host protection by a parasite. *Evolution Letters* 1, 211-221.
74. King, K.C., Bonsall, M.B**. 2017.** The evolutionary and coevolutionary consequences of defensive microbes for host-parasite interactions. *BMC Evolutionary Biology* 17, 190.
75. Reznick, D.N., King, K.C. **2017.** Antibiotic resistance: evolution without trade-offs? News and Views. *Nature Ecology and Evolution*.

76. Ford, S.A., Williams, D., Paterson, S., King, K.C. **2017.** Coevolution between pathogens and defensive microbes driven by fluctuating selection. *Molecular Ecology* 26, 1778-1789.
77. Ford, S.A., Kao, D., Williams, D., King, K.C. **2016.** Microbe-mediated host defence drives the evolution of reduced pathogen virulence. *Nature Communications* 7, 13430.
78. Betts, A., Rafaluk, C., King, K.C. **2016.** Host-parasite evolution in a Tangled Bank. *Trends in Parasitology* 32, 863-873.
79. Takacs-Vesbach, C., King, K.C., Van Horn, D., Larkin, K., Neiman, M. **2016**. Distinct bacterial microbiomes in sexual vs. asexual *Potamopyrgus antipodarum*, a New Zealand freshwater snail. *PloS One* 11, e0161050.
80. Parratt, S.R., Frost, C.L., Schenkel, M.A., Rice, A., Hurst, G.D.D.*, King, K.C.*** 2016.** Superparasitism drives heritable symbiont epidemiology and host sex ratio in a wasp. *PloS Pathogens* 12, e1005629.
81. Vale, P.F., Allen, J.E., Doeschl-Wilson, A., Domingo-Sananes, M.R., King, K.C., McNally, L., Popat, R., Soares, M.P., Kummerli, R. **2016.** Beyond killing: can we find new ways to manage disease? *Evolution, Medicine, and Public Health* 1, eow012.
82. Betts, A., Gifford, D., MacLean, C., King, K.C. **2016.** Parasite diversity and rapid evolution of host resistance in a bacteria-phage system. *Evolution* 70, 969-978.
83. Ford, S.A., King, K.C. **2016.** Harnessing the power of defensive microbes: evolutionary implications in nature and disease control. *PloS Pathogens* 12, e1005465.
84. King, K.C., Brockhurst, M.A., Vasieva, O., Paterson, S., Betts, A., Ford, S.A., Frost, C.L., Horsburgh, M., Haldenby, S., Hurst, G.D.D. **2016.** Rapid evolution of microbe-mediated protection against pathogens in a worm host. *The ISME Journal* 10, 1915-1924.
85. King, K.C.*, Stelkens, R.*, Webster, J.*, Smith, D., Brockhurst, M.A. **2015.** Hybridisation in parasites: consequences for adaptive evolution, pathogenesis, and public health in a changing world. *PloS Pathogens* 11, e1005098.
86. Daoust, S., King, K.C., Roitberg, B., Roche, B., Brodeur, J., Thomas, F. **2015.** Making the best of a bad situation: partial resistance to behaviour manipulation. *Trends in Parasitology* 31, 413-418.
87. Ashby, B, King, K.C. **2015**. Diversity and the maintenance of sex by parasites. *Journal of Evolutionary Biology* 28, 511-520.
88. Ducasse, H., Arnal, A., Vittecoq, M., Daoust, S.P., Ujvari, B., Ewald, P., Gatenby, R.A., King, K.C., Brodeur, J., Renaud, F., Solary, E., Roche, B., Thomas, F. **2015.** Cancer: an emergent property of disturbed resource rich environments? Ecology meets personalized medicine. *Evolutionary Applications* 8, 527-540.
89. Brockhurst, M.A., Chapman, T., King, K.C., Mank, J., Paterson, S., Hurst, G.D.D. **2014**. Running with the Red Queen: role of biotic conflicts in evolution. *Proc Roy Soc Ser B* 281, 20141382. *Special 2014 Darwin Review
90. Soper, D.M., King, K.C., Vergara, D., Lively, C.M. **2014.** Parasite exposure increases promiscuity in a freshwater snail. *Biology Letters* 10, 2013191.
91. Vergara, D., Lively, C.M., King, K.C., Jokela, J. **2013**. Geographic mosaic of sex and infection in lake populations of a New Zealand snail at multiple spatial scales. *American Naturalist* 182, 484493.

92. King, K.C., Auld, S.K.J.R., Wilson, P.J., James, J., Little, T. **2013**. The bacterial parasite *Pasteuria ramosa* is not killed if it fails to infect: implications for coevolution. *Ecology and Evolution* 3, 197203. * Issue Cover

93. Brockhurst, M.A., King, K.C. **2012**. Coevolution. In *Oxford Bibliographies in Ecology.* Eds. Gibson, D. New York: Oxford University Press.

94. King, K.C., Lively, C.M. **2012**. Can genetic diversity limit disease spread in host populations? *Heredity* 109, 199-203.

95. King, K.C., Seppälä, O., Neiman, M. **2012**. Is more better? Polyploidy and parasite resistance. *Biology Letters* 8, 598-600.

96. Leung, T.L.F., King, K.C., Wolinska, J. **2012**. Escape from the Red Queen: an overlooked scenario in co-evolutionary studies. *Oikos* 121, 641-645.

97. King, K.C., Delph, L.F., Jokela, J., Lively, C.M. **2011.** Coevolutionary hotspots and coldspots for host sex and parasite local adaptation in a snail-trematode interaction. *Oikos* 120: 1335-1340.

98. King, K.C., Jokela, J., Lively, C.M. **2011**. Parasites, sex, and clonal diversity in natural snail populations. *Evolution* 65: 1474-1481.

99. King, K.C., Jokela, J., and Lively, C.M. **2011**. Trematode parasites infect or die in snail hosts. *Biology Letters* 7, 265-268.

100. King, K.C. and Hurst, G.D.D. **2010**. Losing the desire: selection can promote obligate asexuality. *BMC Biology* 8, 101-104.

101. King, K.C., McLaughlin, J.D., Boily, M., and Marcogliese, D.J. **2010**. Effects of agricultural landscape and pesticides on parasitism in native bullfrogs. *Biological Conservation* 143, 302-310.

102. King, K.C., Delph, L.F., Jokela, J., and Lively, C.M. **2009**. The geographic mosaic of sex and the Red Queen. *Current Biology* 19, 1438-1441. *Faculty of 1000 recommendation

103. King, K.C. and Lively, C.M. **2009**. Geographic variation in sterilizing parasite species and the Red Queen. *Oikos* 118, 1416-1420.

104. Wolinska, J. and King, K.C. **2009**. Environment alters selection in host-parasite interactions. *Trends in Parasitology* 25, 236-244.

105. Marcogliese, D.J., King, K.C., Salo, H., Fournier, M., Brousseau, P., Spear, P., Champoux, L., McLaughlin, J.D., and Boily, M. **2009**. Interactions between agriculture and parasitism: effects on biomarkers in the bullfrog, *Rana catesbeiana. Aquatic Toxicology* 91, 126-134.

106. Wolinska, J., King, K.C., Vigneux, F., and Lively, C.M. **2008**. Virulence, cultivating conditions, and phylogenetic analyses of oomycete parasites in *Daphnia. Parasitology* 135, 1667-1678.

107. King, K.C., Gendron, A.D., McLaughlin, J.D., Giroux, I., Brousseau, P., Cyr, D., Ruby, S.M., Fournier, M., and Marcogliese, D.J. **2008**. Short-term seasonal changes in parasite community structure in northern leopard froglets (*Rana pipiens*) inhabiting agricultural wetlands. *Journal of Parasitology* 94, 13-22.

108. King, K.C., McLaughlin, J.D., Gendron, A.D., Pauli, B.D., Giroux, I., Rondeau, B., Boily, M., Juneau, P., and Marcogliese, D. J. **2007**. Impacts of agriculture on the parasite communities of northern leopard frogs (*Rana pipiens*) in southern Quebec, Canada. *Parasitology* 134, 2063-2080.

Selected Invited presentations (showing 2016-present):

2026 Public Royal Society Francis Crick Lecture, London, UK
Conference keynote, Centre for Human Genetics at McGill University, Montreal, Canada

Conference symposium, Mathematics Society, Banff International Research Station, Canada
Distinguished Seminar, University of North Carolina – Chapel Hill, USA
Seminar, ETH-Zurich, Switzerland
Seminar, Cardiff University, UK
Seminar, University of Bath, UK
Seminar, University of Liverpool, UK
Seminar, University of Cambridge, UK

2025 Public seminar, Vancouver Institute, Vancouver, Canada
Seminar, School of Public Health, University of Michigan, USA
Conference Symposium, Microbiology Society, Liverpool, UK
Conference symposium, American Society of Naturalists, Asilomar, USA
UBC Undergraduate Science Society, Vancouver, Canada

2024 Conference Plenary, French National Academy of Microbiology, Lille, France
Conference Plenary, Vancouver Bioinformatics Network, Vancouver, Canada
Conference Symposium, Canadian Society for Ecology & Evolution, Vancouver, Canada
Conference Symposium, Frontiers in Chemical Ecology, Jena, Germany
William H. Telford Endowed Lecture, University of Pennsylvania, USA
Seminar, University of Michigan, USA
Seminar, University of Oregon, USA

2023 Conference Plenary, Microbial Evolution Conference, University of Lausanne, Switzerland
Conference Keynote, Canadian Phytopathological Society, Victoria, Canada
Conference Symposium, Canadian Society of Zoologists, Saskatchewan, Canada
Conference Symposium, EMBL Symposium on Cellular Symbiosis, Heidelberg, Germany
Conference Symposium, Molecular Biology Society of Japan, Japan
Seminar, Centre for Blood Research, University of British Columbia, Canada
Seminar, MBIM Undergraduate Symposium, University of British Columbia, Canada
Seminar, University of Mondsee, Austria
Seminar, University of Padova, Italy
Seminar, University of Bath, UK

2022 Conference Plenary, European Society for Evolutionary Biology, Czech Republic
Conference Plenary, Umea Centre for Microbial Research, Sweden
Conference Plenary, EMBO/EMBL Symposium on Symbiosis, Heidelberg, Germany
Conference Plenary, Society for Molecular Biology and Evolution, online conference.
Seminar, University of Central Florida, USA
Seminar, University of Illinois, USA
Seminar, University of Lancaster, UK
Seminar, Bournemouth University, UK
Seminar, Life Sciences Institute, University of British Columbia, Canada
Seminar, Department of Zoology, University of British Columbia, Canada
Seminar, Faculty of Forestry, University of British Columbia, Canada
Seminar, Faculty of Land and Food Systems, University of British Columbia, Canada
Seminar, University College London, UK
Seminar, Vancouver Island University, Canada

2021 Conference Plenary, MPI-Evolutionary Biology ‘Coevolution and communities’, Germany
Conference Symposium, GRC on Animal-Microbe Symbiosis, Italy
Gutenburg Workshop Symposium, University of Mainz, Germany
Distinguished Lecture, Cornell University, USA

Seminar, ERATO Evolving Symbiosis Project International Seminar Series, Japan
Seminar, University of South Bohemia, Czech Republic
Seminar, Royal Holloway – University of London, UK
Seminar, University of California – Berkeley, USA
Seminar, University of Calgary, Canada
Seminar, Biodiversity Research Centre, University of British Columbia, Canada
Seminar, University of Victoria, Canada
Seminar, Simon Fraser University, Canada
Seminar, York University, Canada
Seminar, Johannes Gutenberg University Mainz, Germany

2020 John Maynard Smith Anniversary Conference Plenary, University of Sussex, UK
Conference Plenary, Evolutionary Medicine, Hamburg, Germany
Conference Plenary, Eco-Evolutionary Dynamics EVENET KU Leuven, Belgium
Conference Plenary, Indian National Science Academy Series on Genetics/Evolution, India
Seminar, University of East Anglia, UK
Seminar, University of Trinity College Dublin, Ireland
Seminar, University of Cambridge, UK
Seminar, University of Lund, Sweden
Seminar, Stockholm University, Sweden
Seminar, University of Oxford, UK
Seminar, Oxford Brookes University, UK
Seminar, University of Muenster, Germany
Seminar, Joint virtual series between University of British Columbia/University of East Anglia
Seminar, Emory University, USA
Seminar, CNRS Montpellier, France
Seminar, VU University Amsterdam, Netherlands
Seminar, UNIQ+ University of Oxford, UK
Seminar, Vancouver Island University, Canada

2019 Conference Plenary, Int'l Society for Evolution, Medicine, and Public Health, Zurich, CH
Conference Symposium, International Society for Evolution and Ecology of Cancer, UK
Conference Symposium, European Society for Evolution Biology, Turku, Finland
Conference Symposium, GRC on Animal-Microbe Symbiosis, USA
Conference Symposium, GRC on Microbial Population Biology, USA
Conference Symposium, Excellence Ecofect – University of Lyon, France
Conference Symposium, OxBacNet – University of Oxford, UK
Seminar, Wageningen University, Netherlands
Seminar, Freie University Berlin, Germany
Seminar, University of Sheffield, UK
Seminar, University of Illinois - Urbana, USA
Seminar, Trinity College Dublin, Ireland
Seminar, University of Nottingham, UK
Seminar, University of Exeter, UK
Seminar, Imperial College London – Silwood Park, UK
Seminar, IST-Austria, Austria
Seminar, University of Ottawa, Canada

2018 Conference Symposium, International *C.elegans* Conference, Los Angeles, USA

Conference Symposium, International Society for Microbial Ecology, Leipzig, Germany
ESEB Workshop Symposium, Experimental Tests of Coevolution, Paris, France
'Living Systems' Symposium, Man-Planck Institute Tubingen, Germany
Seminar, University of Lisbon IGC, Portugal
Seminar, University of Bristol, UK
Seminar, University of Edinburgh, UK
Seminar, University College-London, UK
Seminar, University of Birmingham, UK

2017 Conference Symposium, Canadian Society of Ecology and Evolution, Victoria, Canada
Conference Symposium, European Society for Evolutionary Biology, Groningen, Netherlands
Seminar, ETH-Zurich, Switzerland
Seminar, Basel University, Switzerland
Seminar, University of York, UK
Seminar, Max Planck Institute-Plön, Germany

2016 Conference Symposium, British Ecological Society, Liverpool, UK
Conference Symposium, Society for General Microbiology, Liverpool, UK
Seminar, University of Alberta, Canada
Seminar, University of Cambridge, UK
Seminar, University of Helsinki, Finland
Seminar, University of British Columbia, Canada
Seminar, University of London Queen Mary, UK
Seminar, University of Oxford, UK
Seminar, Stokes Society, University of Cambridge, UK
Seminar, University of Kiel, Germany

Selected Leadership Activities (showing 2013-present):

I am on three editorial boards for top biology journals and have acted as the lead organizer for three international conference symposia and four seminar series.

2025-2028 Associate Editor, *Proceedings of the Royal Society B*
2025-2027 Chair, Canadian Society for Ecology and Evolution Awards Committee
2023-present Co-Director of PrePARE Cluster
2023-p2027 Lead PI, Host-Parasite Projects, Hakai-NSERC Sentinel Alliance Program
2022-2027 Associate Editor, *Evolution Letters*
2022-2025 Associate Editor, *Molecular Ecology*
2022-2025 Associate Editor, *Molecular Ecology Resources*
2021-2022 Organising specialist issue in *Philosophical Transactions of the Royal Society* ('Impact of Environment on Infectious Disease Evolution')
2020-2023 Editorial Board, *Advances in Parasitology*
2019 Reviewing Editor, *eLife*
2017-2021 Council Member, ESEB
2017-2022 Editorial Board, *Biology Letters*
2017-2020 Associate Editor, *Evolution*
2017 Symposium Organiser, ESEB Conference – *'Evolution across the mutualist-parasite continuum'*
2016 Committee Advisor for BES '*Microbial Ecology*' Special Interest Group
Symposium Organiser, BES Conference - '*Worlds within worlds: host-microbe*

interactions in nature, agriculture, and medicine'

2015-2022 Associate Editor, *BMC Evolutionary Biology*

2014-2022 Reviewing Editor, *Journal of Evolutionary Biology*

2013 Symposium Organiser, European Society for Evolutionary Biology Conference – '*Evolution and ecology of symbiotic interactions in communities: novel approaches'*

2013 Lead Organiser, Ecology and Evolution of Parasites and Symbionts seminars, Oxford

Supervision:

I have supervised 23 post-doctoral fellows, 21 graduate students, three technicians, and numerous undergraduate research projects. My PhD students have been funded through the Biotechnology and BioSciences Research Council (BBSRC), Natural Environment Research Council (NERC), Natural Science & Engineering Research Council (NSERC Canada), and Engineering and Physical Sciences Research Council (EPSRC). Many post-docs have received independent funding through Oxford Colleges, NSF, NSERC, and SNSF. In addition to internal prizes and scholarships, my lab group members have received awards from American Society of Naturalists, National Geographic, the Royal Society of London, and the Microbiology Society UK.

Post-doctoral researchers/fellows:

Dr. Laurinne Balstad (2026-2028), NSERC McDonald PDF and CERC PDF
Dr. Tommy Travers-Cook (2025-2027), NSERC McDonald PDF and CERC PDF
Dr. Paradyse Blackwood (2025-2027), Hakai Sentinels PDF
Dr. Mathilda Whittle (2025-2029), CERC PDF
Dr. Luis Silva (2024-2027), CERC PDF
Dr. Mike Blazanin (2024-2026), CERC PDF and NSF Fellow
Dr. Jingdi Li (2024-2028), CERC PDF and NSERC PDF
Dr. Antoine Filion (2024), CERC PDF
Dr. Cameron Smith (2023-2025), ERC PDF
Dr. Ian Will (2023-2027), ERC PDF and CERC PDF
Dr. Melissa Chen (2023-2025), NSERC Banting PDF
Dr. Duhita Sant (2022-2023), NERC PDF
Dr. Tobias Hector (2021-2026), Leverhulme Prize PDF and NERC PDF
Dr. Kim Hoang (2020-2024), NSF Fellow and JRF at Kellogg College
Dr. Emily Stevens (2019-2023), ERC PDF and JRF at Linacre College
Dr. Georgia Drew (2019-2023), ERC PDF and JRF at Sommerville College
Dr. Kieran Bates (2019-2023), Leverhulme Prize PDF and St. Hilda's Junior Research Fellow
Dr. Andrea Gomez-Chamorro (2019-2021), SNSF Fellow
Dr. Suzanne Ford (2018-2020), Wellcome Trust PDF
Dr. Charlotte Rafaluk-Mohr (2014-2020), Leverhulme Trust PDF
Dr. Alex Betts (2017-2018), St. Hilda's College Junior Research Fellow
Dr. Crystal Frost (2012-2015), NERC PDF

Postgraduates:

Main advisor

Julia Gartold (2026-2031), UBC Zoology PhD student
Emmy Gonzalez (2026-2031), UBC Zoology PhD student
Alexandra Wiebe (2024-2026), UBC NSERC CGS-M MSc student
Serena Johnson (2023-2028), UBC Zoology PhD student
Dominik Vinopal (2023-2028), UBC Zoology PhD student

Chelsea Higgins (2023-2028), UBC Year 4 Fellowship PhD student
Sarzana Hossain (2022-2026), UBC MBIM NSERC CGS-D PhD student
Samuel Greenrod (2021-2025), Oxford BBSRC DPhil
Jingdi Li (2020-2024), Oxford Pembroke College DPhil
Victoria Pike (2018-2021), Oxford BBSRC DPhil
Alice Ekroth (2016-2020), Oxford NERC DPhil
Maria Ordovas-Montanes (2016-2020), Oxford BBSRC DPhil
Dylan Dahan (2016-2017), Oxford BBSRC MSc
Alex Betts (2014-2017), Oxford BBSRC DPhil
Suzanne Ford (2013-2016), Oxford EPSRC DPhil

Co-advisor
Liya Miksovsky (2025-2031), UBC Zoology PhD student with Asher Leeks (UBC Zoology)
Luna Li (2022-2026), Oxford iCASE BBSRC DTP with Alison Woollard (Oxford Biochemistry)
Carla Wagener (2021-2026), Oxford NERC DTP with Sarah Knowles (Oxford Biology)
Emily Baker (2019-2023), Oxford BBSRC DTP with Alison Woollard (Oxford Biochemistry)
Signe Lagecrantz (2018-2026), Oxford BBSRC DTP with Kevin Foster (Oxford Biochemistry)
Steve Parratt (2010-2013), NERC co-advised by Prof. Greg Hurst (Liverpool)

Technicians/Lab Managers:
May Fujiwara-Foster (2025-present), CERC funded
Manisha Dosanjh (2023-present), CERC funded
Juli Cohen (2023-2026), NERC funded
Jordan Sealey (2017-2019), Leverhulme Trust funded

Teaching:

2013-2023 Senior Biology Tutor, Christ Church College (6hr/week tutorial hours)
- Co-director of 3rd year Infectious Disease Biology course. subjects: virulence, microbiome, environment, epidemiology
- tutorial subjects: ecology, evolution, organisms, disease, statistics
- lecture subjects in 2nd year Evolution course: sex, coevolution, virulence
- lecture subjects in 1st year Ecology and Evolution course: coevolution, adaptation, sex, essay writing
- postgraduate lectures on the ecology and evolution of species interactions for NERC and BBSRC doctoral programs

2021 Post-graduate Discussion reading group, 'Calling Bullshit'
Reverse Tutorials on race, gender, and inclusivity in science
2020 Post-graduate Discussion reading group, 'Superior'
2012 Field School Instructor, University of Liverpool
2008–2010 Guest lectures, Invertebrate Zoology, Indiana University
2007 Associate Instructor, Introductory Biology Laboratory, Indiana University
2006 Associate Instructor, Invertebrate Zoology, Indiana University; Tutor, Mathematics and Calculus, Concordia University
2004 Teaching Assistant, Advanced Biostatistics, Concordia University

Selected Professional Service (showing 2016-present):

Journals American Naturalist, American Society of Microbiology, Biological Journal of Linnean Society, Biology Letters, BMC Biology, BMC Evolutionary Biology, BMC Microbiology, BMC Plant

Biology, Cell Reports, Communications Biology, Current Biology, Ecological Entomology, EcoHealth, Ecological Applications, Ecology and Evolution, Ecology Letters, eLIFE, Emerging Infectious Diseases, Evolution, Evolutionary Applications, Evolutionary Biology, FEMS Microbiology Ecology, Frontiers in Genetics, Frontiers in Parasitology, Genetics, Global Change Biology, Heredity, Infection Genetics and Evolution, Insects, Integrative Zoology, International Journal for Parasitology, iScience, Journal of Animal Ecology, Journal of Applied Ecology, Journal of Evolutionary Biology, Journal of Parasitology, Journal of Veterinary Research, Journal of Wildlife Diseases, Journal of Zoology, Marine Environmental Research, mBio, Microbiology, Molecular Ecology, Nature, Nature Communications, Nature Ecology & Evolution, Nature Scientific Reports, Naturwissenschaften, Oecologia, Oikos, Parasites and Vectors, Parasitology, Philosophical Transactions of the Royal Society, PLoS Biology, PLoS One, PLoS Pathogens, PNAS, PNAS Nexus, Proceedings of the Royal Society B, Science, Science Advances, Science of the Total Environment, Scientific Reports, The Lancet Planetary Health, Trends in Ecology and Evolution, Trends in Microbiology, Trends in Parasitology

Funding Agencies British Ecological Society, Czech Republic Research Council, Danish Research Council, European Research Council (Consolidator/Advanced Grants), France Agence Nationale de la Recerche, Genome BC (Canada), Institut Pasteur (France), NSERC (Canada), National Science Foundation (USA), Natural Environment Research Council UK, Netherlands Organisation for Scientific Research, Biotechnology and Biological Sciences Research Council UK, Deutsche Forschungsgemeinschaft (Germany), Fonds Wtenschappelijk Onderzoek – Vlaanderen (Netherlands), Swiss Research Council, Wellcome Trust UK.

2026	Member of hiring committee, PrePARE cluster (MSL/MBIM, FoS)
2025	Award Committee, Society for Molecular Biology & Evolution
2024-2026	Parental care grants committee, UBC Faculty of Science
2024-2026	Elected Council member, Canadian Society for Ecology and Evolution (Awards committee, Nominations committee, Ethics committee)
2024-2025	Chair of hiring committee, PrePARE cluster (Math/MBIM, FoS)
2024-present	Mentorship committee for 3 Assistant Professors and 1 Lecturer UBC/2 Assistant Professors Oxford
2023-2024	UBC Planetary Health degree committee
2023-2024	Chair of hiring committee, PrePARE cluster (MBIM, FoS)
2023-2024	Member of hiring committee for two Evolution positions (Zoology)
2023	Chair of hiring committee, PrePARE cluster (MBIM, FoS)
2023-present	Committee member for 24 graduate students at UBC
2021-2023	Policy Committee member, European Society for Evolutionary Biology
2021-present	Promotion committees for colleagues at University of Toronto, Virginia Commonwealth University, Princeton University, University of Exeter, Emory University, University of York, University of Edinburgh, Queen Mary University of London, University of Virginia, University of California-Berkeley, Norwegian Institute, Virginia Commonwealth University
	External evaluation for faculty candidates (National Taiwan University, Stockholm University, University of Liverpool)
2020-2023	Review Panel for Swedish Research Council
2018-2026	Review Panel for Schmidt Science Fellowships and Rhodes Scholarships Oxford
2013-2025	Internal Examiner on 21 DPhil/PhD Theses
	External Examiner on 12 PhD Theses
2013-2023	Committee member for 27 students at Oxford and Europe

Committee member for ten hiring panels at Oxford
2016 Mentor for young women in science, British Ecological Society
2013 External examiner, Aquavit Symposium, Max-Planck Institute–Plön, Germany

Public Engagement:

As part of my commitment to scientific outreach and public engagement, I have interacted with the press to translate my scientific findings to a wider audience. I have also given informal talks to underrepresented groups of students aimed at encouraging them to pursue university and STEM careers.

Press Interviews

2026 Interview with Science magazine about symbiosis
2025 BBC show '*University Challenge'*
Press for UBC PrePARE during Earth Day interview about CERC program
2024 Interview with Malcolm Gladwell for 'Revenge of the Tipping Point'
2022 Articles in Times Higher Education*. 'Six actions for highly effective maternity leave in academia'* and '*Breaking barriers for women in science'*
Interview for New Yorker Magazine on 'Parasites'
Interview for Neo.Life on 'Adaptation'
2021 *Finding Genius Podcast profile, USA*
2019 *BBC Countryfile*
2018 BBC 4 Children's Show on '*Snail Migration*'
2017 BBC documentary *'Dr. Michael Mosley versus the Superbugs'*
BBC live radio show *In Our Time: Parasites* (http://www.bbc.co.uk/programmes/b08bb9cy)
2016 National Geographic '*Microbes can evolve from foe to friend – and do it fast'*
2012 *Heredity* journal podcast (http://www.nature.com/hdy/podcast/index.html)
New Scientist magazine '*Dangerous liasons: animals tangled love lives'*
2009 US National Science Foundation *'Why have sex? To fend off parasites'* (http://www.livescience.com/5773-sex-fend-parasites.html)
National Geographic '*Snails get sexy when parasites are around'*
Canadian Broadcasting Corporation science radio show *Quirks & Quarks*
CBC '*Sex defends against parasites'* (http://www.cbc.ca/news/technology/sex-defends-against-parasites-study-suggests-.83120)

Public Lectures and Interaction

2020 Linnean Society of London
Oxford First-Gen, talk for students who are first generation university attendees
UNIQ+, talk for under-represented groups in education
2018 Contributed to *Bacterial World* display at Oxford University Natural History Museum
2014 Oxford High School, talk for Women in Science '*Adventures in university education'*
2013 Salford College '*Adventures in science and university education'*
2010 Edinburgh University Science Society, '*The Red Queen: Why sex is so good'*