DR. CHRISTINE A. BAHLAI

ASSISTANT PROFESSOR, DEPARTMENT OF BIOLOGICAL SCIENCES
KENT STATE UNIVERSITY
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EDUCATION

Ph.D.	School of Environmental Sciences	University of Guelph	**2012**
M.Sc.	Department of Environmental Biology	University of Guelph	**2007**
B.Sc.	Department of Physics	University of Guelph	**2004**

RESEARCH EXPERIENCE

Current appointments

2017-	Assistant Professor, Department of Biological Sciences, Kent State University
2015-	Associate Scientist, Kellogg Biological Station Long Term Ecological Research Site

Previous appointments

2017	Open Data Consultant, Mozilla Foundation
2016-2017	Research Associate, Department of Integrative Biology, Michigan State University
2015-2016	Mozilla Fellow for Science
2012-2015	Research Associate, Department of Entomology, Michigan State University
2007-2012	Graduate Research Assistant, School of Environmental Sciences, University of Guelph
2010-2011	Species at Risk Consultant, Nature Conservancy of Canada.
2007	Research Technician, Department of Plant Agriculture, Ridgetown College
2005-2007	Graduate Research Assistant, Department of Environmental Biology, University of Guelph

PUBLICATIONS

Scientific articles published in peer reviewed journals[1]

38. Bahlai, C.A., C. Hart, M. Kavanaugh, J.D. White, R.W. Ruess, T.J. Brinkman, H.W. Ducklow, D.R. Foster, W.R. Fraser, H. Genet, P.M. Groffman, S.K. Hamilton, J.F. Johnstone, K. Kielland, D.A. Landis, M.C. Mack, O. Sarnelle, J. Thompson. **In press.** Future trajectories for ecosystems in the U.S. Long Term Ecological Research Network: Cascading effects. **Ecosphere**.

37. *Rowe, L., *D. Gibson, **C. Bahlai**, J. Gibbs, D. Landis, and R. Isaacs. **2020.** Flower traits associated with the visitation patterns of bees. **Oecologia**. DOI: https://doi.org/10.1007/s00442-020-04674-0

36. Cusser, S, **C. Bahlai,** S.M Swinton, G.P. Robertson, N.M. Haddad. **2020.** Long-term research avoids spurious and misleading trends in sustainability attributes of no-till. **Global Change Biology.** DOI: https://doi.org/10.1111/gcb.15080

[1] Asterisks denote student authors: *graduate student, **undergraduate student. First and last authors are positions of emphasis in my field.

35. Adams, B.J., E. Li, **C.A. Bahlai**, E.K. Meineke, T.P. McGlynn, B.V. Brown. **2020.** Local and landscape scale variables shape insect diversity in an urban biodiversity hotspot. **Ecological Applications**. DOI: https://doi.org/10.1002/eap.2089

34. Bahlai, C.A. and E.F. Zipkin. **2020.** The Dynamic Shift Detector: a model to identify changes in dynamic rules governing populations. **PLoS Computational Biology**. 16(1): e1007542. DOI: https://doi.org/10.1371/journal.pcbi.1007542

33. McGlynn, T.P., E.K. Meineke, **C.A. Bahlai**, E. Li, E.A. Hartop, B.J. Adams, and B.V. Brown. **2019.** Temperature accounts for the biodiversity of a hyperdiverse group of insects in urban Los Angeles. **Proceedings of the Royal Society B**. DOI: https://doi.org/10.1098/rspb.2019.1818

32. Saunders, S.P., *M.T. Farr, *A.D. Wright, **C.A. Bahlai,** *J.W. Ribeiro Jr., S. Rossman, *A.L. Sussman, T.W. Arnold, and E.F. Zipkin. **2019**. Disentangling data discrepancies and deficiencies with integrated population models. **Ecology**. DOI: https://doi.org/10.1002/ecy.2714

31. *Myers, A., **C. Bahlai** and D. Landis. **2019**. Habitat type influences *Danaus plexippus* (Lepidoptera: Nymphalidae) oviposition and egg survival on *Asclepias syriaca* (Gentianales: Apocynaceae). **Environmental Entomology**. 48: 675-684. DOI: https://doi.org/10.1093/ee/nvz046 **First runner up, Environmental Entomology Reviewers' Choice Award 2020.**

30. *Schuh, M., **C. Bahlai,** C. Malmstrom and D. Landis. **2019.** Effect of switchgrass ecotype and cultivar on establishment, feeding, and development of fall armyworm (Lepidoptera: Noctuidae). **Journal of Economic Entomology**. 112(1): 440–449. DOI: https://doi.org/10.1093/jee/toy292

29. *Poley, K., **C. Bahlai** and M. Grieshop. **2018.** Functional response of generalist predators to *Halyomorpha halys* (Hemiptera: Pentatomidae) eggs. **Environmental Entomology**. 47: 1117–1127. DOI: https://doi.org/10.1093/ee/nvy110

28. ***Lettow, M.C., L.A. Brudvig, **C.A. Bahlai, J. Gibbs, R. Jean, and D.A. Landis**. 2018.** Bee community responses to a gradient of oak savanna restoration. **Restoration Ecology**. DOI: https://doi.org/10.1111/rec.12655

27. ***Hermann, S. ***S. Xue, ***L. Rowe, ***E. Davidson-Lowe, ***A. Myers, ***B. Eshchanov, and **C.A. Bahlai. **2016.** Thermally moderated firefly activity is delayed by precipitation extremes. **Royal Society Open Science.** DOI: https://doi.org/10.1098/rsos.160712

26. Spasojevic, M.J., **C A. Bahlai**, B.A. Bradley, B.J. Butterfield, M.N. Tuanmu, S. Sistla, R. Wiederholt, and K.N. Suding**. 2016.** Scaling up the diversity-resilience relationship with trait databases and remote sensing data: the recovery of productivity after wildfire. **Global Change Biology.** DOI: 10.1111/gcb.13174

25. Bahlai, C.A. and D.A. Landis. **2016.** Predicting plant attractiveness to pollinators with passive crowdsourcing. **Royal Society Open Science.** DOI: https://doi.org/10.1098/rsos.150677

24. ***Carson, B.D., **C.A. Bahlai, J. Gibbs, and D.A. Landis. **2016**. Flowering phenology influences bee community dynamics in old fields dominated by the invasive plant *Centaurea stoebe.* **Basic and Applied Ecology**. DOI:10.1016/j.baae.2016.04.004

23. Fox, A.F, T.N. Kim, **C.A. Bahlai,** J.M. Woltz, C. Gratton, and D.A. Landis. **2016.** Cover crops have neutral effects on predator communities and biological control services in annual cellulosic bioenergy cropping systems. **Agriculture, Ecosystems and the Environment**. 232:101-109. DOI: http://dx.doi.org/10.1016/j.agee.2016.07.003

22. Landis, D.A., N. Saidov, A. Jaliov, M. El Bouhssini, M. Kennelly, **C. Bahlai,** J.N. Landis, K. Maredia. **2016.** Demonstration of an Integrated Pest Management Program for Wheat in Tajikistan. **Journal of Integrated Pest Management**. 7:1-9. DOI: http://dx.doi.org/10.1093/jipm/pmw010

21. Bahlai, C.A., W. van der Werf, M.E. O'Neal, L. Hemerik, and D.A. Landis. **2015**. Dual regime shifts in dynamics of an invasive predator are linked to the invasion and insecticidal control of its prey. **Ecological Applications**. DOI: http://dx.doi.org/10.1890/14-2022.1

20. Bahlai, C.A., M. Colunga-Garcia, S.H. Gage, and D.A. Landis. **2015.** The role of exotic species in the decline of native ladybeetle populations: evidence from long-term monitoring. **Biological Invasions.** 17: 1005-1024. DOI: 10.1007/s10530-014-0772-4

19. ***Carson, B.D., **C.A. Bahlai and D. A. Landis. **2014.** Establishment, impacts, and current range of spotted knapweed (*Centaurea stoebe* ssp. *micranthos*) biological control insects in Michigan. **The Great Lakes Entomologist** 47:129-148.

18. ***Safarzoda, S., **C.A. Bahlai, A.F. Fox, and D.A. Landis**. 2014.** The role of natural enemy foraging guilds in controlling cereal aphids in Michigan wheat. **PLOS ONE:** DOI: 10.1371/journal.pone.0114230

17. ***Brunke, A.J., **C.A. Bahlai, J. Klimaszewski, and R.H. Hallett. **2014.** Rove beetles (Coleoptera: Staphylinidae) in Ontario soybean agroecosystems: assemblage diversity, composition, seasonality and habitat use. **The Canadian Entomologist** 146:652-670. DOI: 10.4039/tce.2014.19

16. ***Lettow, M., L.A. Brudvig, C.A. Bahlai** and D.A. Landis**. 2014.** Oak savanna management strategies and their differential effects on vegetative structure, understory light and flowering forbs**. Forest Ecology and Management** 329: 89-98. DOI: http://dx.doi.org/10.1016/j.foreco.2014.06.019

15. Bahlai, C.A., A.W. Schaafsma, D. Lagos, D. Voegtlin, J.L. Smith, J.A. Welsman, Y. Xue, C. DiFonzo, and R.H. Hallett. **2014.** Factors inducing migratory forms of soybean aphid and an examination of North American spatial dynamics of this species in the context of migratory behavior. **Agriculture and Forest Entomology** 16: 240-250. DOI: 10.1111/afe.12051

14. Hallett, R., **C. Bahlai**, Y. Xue, and A. Schaafsma. **2014.** Incorporating natural enemy units into a dynamic action threshold for the soybean aphid, *Aphis glycines* (Hemiptera: Aphididae). **Pest Management Science** 70:879-888. DOI: 10.1002/ps.3674

13. Bahlai, C.A., M. Colunga-Garcia, S.H. Gage, and D.A. Landis. **2013.** Long-term functional dynamics of an aphidophagous coccinellid community remain unchanged despite repeated invasions. **PLOS ONE** 8: e83407.

12. Bahlai, C.A., R.M. Weiss and R.H. Hallett. **2013.** A mechanistic model for a tritrophic interaction involving soybean aphid, its host plants, and multiple natural enemies. **Ecological Modelling** 254:54-70. DOI: http://dx.doi.org/10.1016/j.ecolmodel.2013.01.014

11. ***Brunke, A.J, ******L. O'Keefe, **C. Bahlai, M. Sears and R. Hallett. **2012.** Guilty by association: An evaluation of millipedes as pests of sweet potatoes and carrots. **Journal of Applied Entomology** 136: 772-780.

10. Xue, Y., **C. A. Bahlai,** A. Frewin, C. M. McCreary, L. E. Des Marteaux, A. W. Schaafsma and R. H. Hallett. **2012**. Intraguild predation of the aphid parasitoid *Aphelinus certus* by *Coccinella septempunctata* and *Harmonia axyridis.* **Biocontrol.** 57:627-634.

9. Bahlai , C.A., Y. Xue, ******C. McCreary, A.W. Schaafsma and R.H. Hallett. **2010.** Choosing organic pesticides over synthetic pesticides may not effectively mitigate environmental risk in soybeans. **PLOS ONE** 5(6): e11250. DOI: 10.1371/journal.pone.0011250.

8. Bahlai, C.A., S. Sikkema, J. Newman, R.H. Hallett and A.W. Schaafsma. **2010.** Modeling distribution and abundance of soybean aphid in soybean fields using measurements from the surrounding landscape. **Environmental Entomology.** 39: 50-56.

7. Bahlai, C.A. and M.K. Sears. **2009**. Population dynamics of *Harmonia axyridis* and *Aphis glycines* in Niagara peninsula soybean fields and vineyards. **Journal of the Entomological Society of Ontario** 14: 27-39

6. ****Brunke, A.J., **Bahlai, C.A., Sears, M.K. and R.H. Hallett. **2009**. Generalist predators (Coleoptera: Carabidae, Staphylinidae) associated with millipede populations in sweet potato and carrot fields, and implications for millipede management. **Environmental Entomology** 38: 1106-1116

5. Xue, Y., **Bahlai, C.A.,** Frewin, A., Sears, M.K., Schaafsma, A.W. and R.H. Hallett. **2009**. Predation by *Coccinella septempunctata* and *Harmonia axyridis* (Coleoptera: Coccinellidae) on *Aphis glycines* (Homoptera: Aphididae). **Environmental Entomology** 38:708-714.

4. Bahlai, C.A., J.A. Welsman, ******E.C. Macleod, A. Schaafsma, R.H. Hallett and M.K Sears. **2008.** The role of visual and olfactory cues from agricultural hedgerows in the foraging behaviour of *Harmonia axyridis* (Coleoptera: Coccinellidae). **Environmental Entomology** 37: 973-979.

3. Bahlai, C.A., J.A. Welsman, A. Schaafsma and M.K Sears. **2007**. Development of the soybean aphid on its primary host *Rhamnus cathartica* L. **Environmental Entomology** 36: 998-1006.

2. Welsman, J.A., **C.A. Bahlai,** M. K. Sears, and A. Schaafsma. **2007.** Decline of soybean aphid (Homoptera: Aphididae) egg populations from autumn to spring on the primary host, *Rhamnus cathartica.* **Environmental Entomology** 36: 541-548.

1. Bahlai, C.A., S.A. Goodfellow, D.E. Stanley-Horn and R.H. Hallett. **2006.** Endoparasitoid assemblage of the pea leafminer, *Liriomyza huidobrensis* (Diptera: Agromyzidae), an exotic vegetable pest in Southern Ontario. **Environmental Entomology** 35: 351-357.

Preprints

3. Bahlai, C.A., E.R. White, J.D. Perrone, S. Cusser and K. Stack Whitney. An algorithm for quantifying and characterizing misleading trajectories in ecological processes. Preprint available: http://biorxiv.org/content/early/2020/07/08/2020.07.07.192211.abstract

2. Chesnais, Q., **C.A. Bahlai**, A. Peace, D.W. Crowder, N.A. Bosque-Pérez, K. Mauck. Evidence of adaptive host and vector manipulation by plant viruses revealed through meta-analysis and modeling. Preprint available: https://doi.org/10.1101/781690

1. White, E. and **C. Bahlai.** Experimenting with the past to improve environmental monitoring programs. In revision. Preprint available: https://doi.org/10.32942/osf.io/cz5va

Education, policy, and popular press

10. Hoyt, P.R., **C. Bahlai,** T.K. Teal, Eds.; E.A. Becker, A. Pawlik, P. Hoyt, F. Michonneau, **C. Bahlai,** T. Reiter, et al. **2019.** datacarpentry/spreadsheet-ecology-lesson: Data Carpentry: Data Organization in Spreadsheets for Ecologists, June 2019 (Version v2019.06.2). Zenodo. http://doi.org/10.5281/zenodo.3269869

9. Bahlai, C.A., L.J. Bartlett, K.R. Burgio, A.M.V. Fournier, C.N. Keiser, T. Poisot, and K. Stack Whitney. **2019.** Open Science Isn't Always Open to All Scientists. American Scientist 107: 78–82. DOI: 10.1511/2019.107.2.78 **(Highlighted as #4 in American Scientist's most popular articles of 2019)**

8. Wright, S., Z. Marsh, **C. Bahlai** and D. Robinson. **2017**. Open Data Training Primers. Mozilla Science Lab. Available online: https://mozillascience.github.io/open-data-primers/ **(community reviewed)**

7. Bahlai, C. 2017. Long road to academic-market success presents extra challenges for marginalized PhDs. American Scientist: Macroscope. https://www.americanscientist.org/blog/macroscope/long-road-to-academic-market-success-presents-extra-challenges-for-marginalized-phds **(Highlighted as #9 in American Scientist's most popular articles of 2017)**

6. Bahlai, C. and T. Teal, Eds. (48 authors). **2017.** Data Carpentry Spreadsheet Ecology Lesson v2017.04.0 Zenodo**.** http://doi.org/10.5281/zenodo.570047 (**community reviewed**)

5. Bahlai, C. 2016. Reproducible Quantitative Methods: a guide for instructors. Mozilla Science Lab. Available online: https://cbahlai.github.io/rqm-template/ (**community reviewed**)

4. Pulfer, T.L., **C. Bahlai** and L. Mousseau. **2011.** Recovery strategy for Laura's Clubtail (*Stylurus laurae*) in Ontario. Ontario Recovery Strategy Series. Ontario Ministry of Natural Resources, Peterborough, Ontario. v + 23 pp. **(peer reviewed)**

3. Hallett, R, T. Baute and **C. Bahlai. 2011.** Aphid Advisor app for the Blackberry smartphones. Available online: http://www.aphidapp.com/about.aspx

2. Farrell, T**.,** C. Copeland and **C. Bahlai**. **2010**. Recovery strategy for the Northern Barrens Tiger Beetle (*Cicindela patruela*) in Ontario. Ontario Recovery Strategy Series. Ontario Ministry of Natural Resources, Peterborough, Ontario. vi + 17 pp. **(peer reviewed)**

1. Hallett, R. H., Heal, J. D. and **Bahlai, C.A. 2003.** Relative efficacy of synthetic insecticides and nematodes for control of pea leafminer on celery, 2003. 2003 Pest Management and Research Report, 2003 Growing Season. Agriculture and Agri-Food Canada. pp 28-29

Software and data products

5. McGlynn, T.P., E.K. Meineke, **C.A. Bahlai,** E. Li, E.A. Hartop, B.J. Adams, and B.V. Brown. 2019. Data from: Temperature accounts for the biodiversity of a hyperdiverse group of insects in urban Los Angeles, Dryad, Dataset, https://doi.org/10.5061/dryad.gr68f2j

4. Bahlai, C.A. 2019b. cbahlai/dynamic_shift_detector: The Dynamic Shift Detector (Version v1.0). Zenodo. http://doi.org/10.5281/zenodo.3368486

3. Bahlai, C.A. 2019a. cbahlai/bad_breakup: The bad breakup Algorithm (Version v1.0). Zenodo. http://doi.org/10.5281/zenodo.2561051

2. Myers A.T., **C.A. Bahlai,** and D.A. Landis 2019. Data from: Habitat type influences *Danaus plexippus* (Lepidoptera: Nymphalidae) oviposition and egg survival on *Asclepias syriaca* (Gentianales: Apocynaceae). Dryad Digital Repository. https://doi.org/10.5061/dryad.k9f1p42

1. Bahlai C.A., M. Colunga-Garcia, S.H. Gage and D.A. Landis. **2014.** Data from: The role of exotic ladybeetles in the decline of native ladybeetle populations: evidence from long-term monitoring. Dryad Digital Repository. https://doi.org/10.5061/dryad.1vr54

FELLOWSHIPS AND GRANTS

Active/Awarded

"How do you know? A podcast exploring the numbers behind our beliefs, and everything in between" PI: **C. Bahlai**, Co-PI B. Mulvey and R. Catto. Grant from the Mozilla Foundation. $12,000. **Sept 1, 2020- Dec 31, 2020.**

"Creating a unified approach to evaluate regime shift detection methods." PI: E. Pedersen, Co PIs: J. Burnett, **C. Bahlai,** and G. Simpson. Canadian Institute for Ecology and Evolution. Workshop grant. CAD$12,400. **May 1, 2020- April 30, 2021.**

"EAGER: Managing our expectations: quantifying and characterizing misleading trajectories in ecological processes" PI: **C. Bahlai**, Co PI: K. Stack Whitney and Senior Person J. Perrone. National Science Foundation- Office of Advanced Cyberinfrastructure. $175,624. **October 1, 2018- Sept 30, 2020**.

Pending/Awaiting response

"CAREER: What's next? Developing novel quantitative tools to address conflicting evidence in temporal ecology." Sole PI. National Science Foundation, Division of Biological Infrastructure. $793.927.01 **Dates TBD.**

Past

"Biodiversity Roofs as Novel Ecosystems" PI: R. Coffman, **Co-PI: C. Bahlai** and Senior Person G. Stroh. Proposal to the Environmental Science and Design Research Initiative, Kent State University**. May 1, 2018- Oct 1, 2019.** $12,000.

"FoSTERing Restoration Success at Cuyahoga Valley National Park" PI: A. Jefferson, Co-PI: **C. Bahlai** and Co-PI: B. Mulvey. Proposal to the Environmental Science and Design Research Initiative, Kent State University**. May 1, 2018- Oct 1, 2019.** $12,000.

"Open Data: Learn, Teach, Advocate document development." PI: C. Bahlai and Co-PI E. Zipkin. Mozilla Foundation research contract. **2017**. $20,000.

"Mozilla Fellow for Science" Mozilla Foundation, supported by the Leona M. and Harry B. Helmsley Charitable Trust. **2015-2016**. $60,000 plus travel and childcare allowances.

"Exploiting the landscape of fear as an insect control tactic." PI: C. Bahlai, Co-PI: D. Landis and Co-PI: Z. Szendrei. SEED grant, Project GREEEN (Generating Research and Extension to meet Economic and Environmental Needs), MSU AgBioResearch. **2015-2016,** $37,900

"Laura's Clubtail draft recovery strategy" T. Pulfer, **C. Bahlai** and L. Mousseau. Research grant from the Ontario Ministry of Natural Resources. **2010,** CAD$6,132.

"Northern Barrens Tiger Beetle draft recovery strategy" T. Farrell, **C. Bahlai** and C. Copeland. Research grant from the Ontario Ministry of Natural Resources. **2010**, CAD$6,132.

"Biotic and abiotic factors influencing distribution and abundance of soybean aphid, an introduced pest" **PI: C. Bahlai.** Research grant from Japan Society for Promotion of Science/ Natural Sciences and Engineering Research Council of Canada **2010**, ¥692,500 + CAD$3000 *(declined for medical reasons preventing travel)*

"Sustainable management of the soybean aphid" PI: C. Bahlai. Research grant from Natural Sciences and Engineering Council of Canada- PGS-D3: **2008.** CAD$63,000

TEACHING EXPERIENCE

2019- **Biological Statistics** Graduate level course providing an overview of common statistical practices used in biology, with an emphasis on reproducible analysis.
Spring 2019 BSCI-6/70103 lecture, BSCI-5/70195 practicum (16 students)
Spring 2020 BSCI-6/70103 lecture, BSCI-5/70195 practicum (12 students)

2018- **Population and Community Ecology** Graduate level core course surveying core concepts in population and community ecology.
Fall 2018 BSCI 5/70373 (16 students)
Fall 2020 BSCI 5/70373 (13 students)

2016- **Reproducible Quantitative Methods.** This is a completely novel course designed to expose graduate students to reproducible research tools, techniques and philosophy, while applying skills directly to data-intensive problems in their field.
Michigan State University
Spring 2016 (6 students)
Spring 2017 (22 students)
Kent State University
Spring 2018 BSCI 5/70195-006 (8 students)
Fall 2019 BSCI 5/70195-006 (7 students)

2013 **Co-instructor, Biological Control.** Graduate level theory and practice of biological control. Department of Entomology. Michigan State University. (15 students)

2009-2010 **Course Consultant:** Developed teaching materials for web-based senior environmental sciences courses. School of Environmental Sciences, University of Guelph.

2007-2009 **Natural Chemicals in the Environment.** Senior undergraduate chemical ecology course delivered via online learning format. Department of Environmental Biology, University of Guelph. (~100-125 students per semester)

Teaching assistant

Insect Diversity and Biology. 2006, 2007.
Natural Chemicals in the Environment. 2005, 2006, 2007.
Food Production and the Environment. 2006, 2007.
Insects and Weed Pests of Turf. 2005, 2006.
Applied Entomology. 2006.

Guest lecturer

Insect Biology. 2017.
Data Analytics. 2017.
Agricultural Ecology. 2015.
Plant Health and the Environment. 2012.
Insect Behaviour. 2010.
Climate Change Ecology. 2008, 2009.
Biology of Plant Pests. 2006.

Workshops taught

Software Carpentry/Data Carpentry
MSU BEACON Center. 2014
University of Michigan Women in Science. 2015.
Kellogg Biological Station 2016.
Working Open Workshop
Rainmaking Loft, Berlin. 2016.
Spin Street House, Cape Town. 2017.

MENTORSHIP and SUPERVISORY EXPERIENCE[2]

Graduate mentorship

Advisor
4 current PhD

Committee member
4 current PhD, 1 current MS

Ad hoc committee member (Michigan State)
2 completed PhD, 5 completed MS

Undergraduate students

1 current, 6 completed at Kent State

Michigan State
1 completed at Michigan State, 5 completed at U. of Guelph

PRESENTATIONS

Invited presentations

2020 Seminar- Department of Geography, Kent State University, Kent OH.

[2] Names redacted for student privacy

2019 Seminar- Department of Biology, Cleveland State University, Cleveland OH.
Seminar- Ohio State University, Department of Entomology, Wooster, OH.
Greater Ohio Living Architecture Symposium, Green Roofs for Healthy Cities, Cleveland, OH.
2018 Symposium: Insects and Stress, Entomological Society of America Annual meeting, Vancouver, BC.
Seminar- John Carroll University, Department of Biology, University Heights, OH.
Workshop- Reproducible Computing 2018, ETH Zurich, Ticino, Switzerland.
Symposium- Reproducible Computing 2018, ETH Zurich, Ticino, Switzerland.
Seminar- University of California, Riverside, Department of Entomology, Riverside, CA.
Seminar- Dalhousie University Faculty of Agriculture, Truro, NS.
2017 Symposium- OpenCon 2017 Cambridge, University of Cambridge, Cambridge, United Kingdom.
Seminar- Denison University, Department of Data Analytics, Granville, OH.
Lightning talk- Working Open Workshop, Mozilla Science Lab, Cape Town, South Africa.
Seminar- Lakehead University, Department of Natural Resources Management, Thunder Bay, ON.
Seminar- University of Rhode Island, Department of Natural Resources, South Kingston, RI.
Seminar- Kent State University, Department of Biological Sciences, Kent, OH
Seminar- Simon Fraser University, Department of Biological Sciences, Burnaby, BC.
Seminar- Clemson University, Department of Plant and Ecosystem Sciences, Clemson, SC.
Seminar- University of Toronto at Scarborough, Department of Biological Sciences, Toronto, ON.
Seminar- University of Alabama at Huntsville Department of Biological Sciences, Huntsville, AL.
2016 "Fireside Chat"- Mozfest- The Mozilla Festival. Ravensbourne, London, United Kingdom.
Workshop- Mozfest- The Mozilla Festival. Ravensbourne, London, United Kingdom.
Ignite Symposium: Hacking Ecology 2.0. 101st Meeting of the Ecological Society of America. Fort Lauderdale, FL.
Open science symposium: iHub DATA JAM. Nairobi, Kenya.
Site representative presentation, The Long Term Ecological Research Science Council meeting. Santa Barbara, CA.
Seminar, Michigan State University Department of Entomology, East Lansing, MI.
2015 Symposium: Neonicotinoid impacts, Entomological Society of America Annual meeting, Minneapolis, MN.
2014 Seminar, Louisiana State University, Department of Entomology, Baton Rouge, LA.
Seminar, University of California, Davis. Department of Entomology and Nematology, Davis, CA.
Seminar, University of Maryland College Park. Department of Entomology, College Park, MD.
Seminar, Auburn University, Department of Entomology and Plant Pathology, Auburn, AL.
2013 Kellogg Biological Station Long Term Ecological Research site review by National Science Foundation, Hickory Corners, MI.
2012 Seminar, Michigan State University, Department of Entomology, East Lansing, MI.
2010 Seminar, Southwest Agricultural Conference, Ridgetown, ON.
Seminar, Ontario Agri-Business Association Eastern Ontario Meeting, Winchester, ON.
Seminar, Eastern Ontario Crop Conference, Kemptville, ON.
2008 Symposium: invasive species. Joint Annual Meeting of the Entomological Societies of Canada and Ontario. Ottawa, ON.
Symposium: Grape research, Ontario Fruit and Vegetable Convention and Trade Show. St. Catharines, ON.
2005 Seminar, Toronto Entomological Association, Toronto, ON.

Contributed presentations

2017 Annual meeting of the Ecological Society of America. Portland, OR.
Ecology, Evolutionary Biology and Behavior 1st Annual Symposium, Michigan State University, East Lansing, MI.
2016 International Long Term Ecological Research 1st Open Science Meeting, Skukuza, South Africa

2015 Long Term Ecological Research All Scientists Meeting. Estes Park, CO.
2009 Southwest Agricultural Conference, Ridgetown, ON.
2008 Annual Meeting of the Entomological Society of America. Reno, NV.
Ontario Pest Management Conference, Guelph, ON.
2006 Annual Meeting of the Entomological Society of America. Indianapolis, IN**. Winner of President's Prize.**
Ontario Pest Management Conference. Guelph, ON.
143rd Annual Meeting of the Entomological Society of Ontario. Guelph, ON.
2005 Annual Meeting of the Entomological Society of America. Fort Lauderdale, FL. **Honorable mention for President's Prize.**
Ontario Pest Management Conference. Guelph, ON. **Winner of CropLife Canada Award.**
142nd Annual Meeting of the Entomological Society of Ontario. Toronto, ON.
2004 141st Annual Meeting of the Entomological Society of Ontario. St. Catharines, ON. **Winner of President's Prize.**

SCHOLARSHIPS AND AWARDS

Dean's Scholarship, Environmental Biology, University of Guelph, 2009, 2010
Graduate Student Teaching Award of Merit, North American Colleges and Teachers of Agriculture, 2008
Fred W. Presant Award, University of Guelph, 2008
Dean's Tri-Council Scholarship, University of Guelph, 2008
Ontario Graduate Scholarship, Government of Ontario, 2008 (*declined- could not be held concurrently with NSERC fellowship*).
Mary Edmunds Williams Scholarship, University of Guelph, 2007
Keefer Graduate Scholarship, University of Guelph, 2007
Entomological Society of America President's prize: First place, 2006
Entomological Society of America President's prize: Honorable mention, 2005
Crop Life Canada Award, 2005
Entomological Society of Ontario President's Prize, 2004

SELECTED MEDIA COVERAGE

Washington Post "The new buzz: Scientists are using weather radar to devise detailed bug maps" by Maddie Stone
https://www.washingtonpost.com/weather/2019/09/23/new-buzz-scientists-are-using-weather-radar-devise-detailed-bug-maps/
The Atlantic "The Unresolved Fight Over Puerto Rico's Missing Insects" by Maddie Stone
https://www.theatlantic.com/science/archive/2019/08/are-puerto-ricos-insects-disappearing/597007/
Nature "A toolkit for data transparency takes shape" by Jeffrey M. Perkel
https://www.nature.com/articles/d41586-018-05990-5
DataFramed Podcast "Data Science and Ecology (with Christie Bahlai)" by Hugo Browne-Anderson
https://www.datacamp.com/community/podcast/data-science-ecology
Mozilla Story Engine "Open leaders profile: Christie Bahlai" by Christine Prefontaine
https://storyengine.io/stories/open-innovation/christie-bahlai/
Science Magazine "How climate change may affect fireflies" by Elizabeth Penninsi
http://www.sciencemag.org/news/2016/09/how-climate-change-may-affect-fireflies
Michigan State writeup on this coverage:
http://www.ent.msu.edu/news/article/msu_entomology_class_project_featured_in_science

The Economist "Your holiday snaps can have scientific uses" by Matt Kaplan
http://www.economist.com/news/science-and-technology/21700355-would-you-spend-10000-smartphone-tom-standage-and-anne-mcelvoy-visit

Canadian Science Publishing "Women in Science Series: Dr. Christie Bahlai" by Sarah Boon
http://www.cdnsciencepub.com/blog/women-in-science-series-dr-christie-bahlai.aspx

Nature "My digital toolbox: Ecologist Christie Bahlai talks data hygiene" by Sylvia Tippman
http://www.nature.com/news/my-digital-toolbox-ecologist-christie-bahlai-talks-data-hygiene-1.15896