**Olivia M. Smith, PhD**

Ecology, Evolution, and Behavior Program

Department of Horticulture

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| EDUCATION | |
| 2016–2019 | **Ph.D. Biology**  Washington State University, April 2016–December 2019, 4.00 GPA |
| 2013–2015 | **M.S. Fisheries and Wildlife**  The Ohio State University, August 2013–December 2015, 4.00 GPA |
| 2010–2013 | **B.S. Major: Biology, Minor: Chemistry**  Siena Heights University, Adrian, MI, August 2010–May 2013, 4.00 GPA (*summa cum laude*), McNair Scholar |

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| ACADEMIC POSITIONS | |
| 2024–Present | **Assistant Professor** Department of Horticulture;Ecology, Evolution, and Behavior Program |
| 2021–2024 | **Presidential Postdoctoral Fellow and USDA Postdoctoral Fellow** Ecology, Evolution, and Behavior; Department of Integrative Biology; and the Center for Global Change and Earth Observations; Michigan State University |
| 2020–2021 | **Postdoctoral Research Associate**  Department of Entomology; University of Georgia |

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| PUBLICATIONS |

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| RESEARCH PUBLICATIONS (15 first-authored; 2 co-first authored) | |
| 2025 | 37. Spence, A.R., McGarvey, J., Lee, S., **Smith, O.M.**, Olimpi, E., Yang, W., Zhang, M., and Karp, D.S. 2025. Assessing foodborne pathogen survival in bird faeces to co-manage farms for bird conservation, production, and food safety. ***Journal of Applied Ecology***(*in press*). https://doi.org/10.1111/1365-2664.14853 |
| 2024 | 36. Gilbert, N.A., Amaral, B.R., **Smith, O.M.**, Williams, P.J., Ceyzyk, S., Ayebare, S., Davis, K.L., Leuenberger, W., Doser, J.W., and Zipkin, E.F. 2024. A century of statistical *Ecology*. ***Ecology*** 105:e4283. https://doi.org/10.1002/ecy.4283 |
|  | 35. Rasmussen, L.V., Grass, I., Mehrabi, Z., **Smith, O.M.**, Blesh, J., Garibaldi, L.A., Isaac, M.E., Kennedy, C., Bezner Kerr, R., Wittman, H., Batáry, P., Buchori, D., Cerda, E., Chara, J., Crowder, D., Darras, K., DeMaster, K., Garcia, K., Gomez, M., Gonthier, D., Guzman, A., Hidayat, P., Hipólito, J., Hirons, M., Hoey, L., James, D., John, I., Jones, A., Karp, D.S., Kotowska, M., Kebede, Y., Bezner Kerr, C., Klassen, S., Kreft, H., Llanque, R., Levers, C., Lizcano, D., Lu, A., Marques, R.N., Martins, P.B., Melo, A., Madsen, S., Nyantakyi-Frimpong, H., Olimpi, E.M., Owen, J.P., Pantevez, H., Qaim, M., Redlich, S., Scherber, C., Sciligo, A., Snapp, S., Snyder, W.E., Steffan-Dewenter, I., Stratton, A.E., Taylor, J.M., Tscharntke, T., Valencia, V., Vogel, C., and Kremen, C. 2024. Agricultural diversification promotes environmental and social synergies. ***Science*** 384: 87-93. https://doi.org/10.1126/science.adj1914 |
|  | 34. **Smith, O.M.**, Davis, K.L., Waterman, R., Pizza, R.B., Mack, C., Conway, E.E., Dobson, K.C., Foster, B., Hristova, A.E., Jarvey, J.C., Nourn, N., and Davis, C.L. 2024. Journals must expand access to peer review data. ***Trends in Ecology & Evolution*** 39: 311-314. https://doi.org/10.1016/j.tree.2024.02.003 |
|  | 33. Crossley, M.S., **Smith, O.M.**, Barman, A.K., Croy, J.R., Schmidt, J.M., Toews, M.D., and Snyder, W.E. 2024. Warmer temperatures trigger insecticide-associated pest outbreaks. ***Pest Management Science***80: 1008-1015.https://doi.org/10.1002/ps.7832 |
| 2023 | 32. Devarajan, N., Weller, D., Jones, M., Adell, A.D., Adhikari, A., Allende, A., Arnold, N.L., Baur, P., Beno, S.M., Clements, D., Olimpi, E., Critzer, F., Green, H., Gorski, L., Ferelli Gruber, A., Kovac, J., McGarvey, J., Murphy, C.M., Murphy, S.I., Navarro-Gonzalez, N., Owen, J.P., Pires, A.F.A., Richard, N., Samaddar, S., Schmidt, R., Scow, K., Shariat, N.W., **Smith, O.M.**, Spence, A.R., Stoeckel, D., Tran, T.D.H., Wall, G., and Karp, D.S. 2023. Evidence for the efficacy of pre-harvest agricultural practices in mitigating food-safety risks to fresh produce. ***Frontiers in Sustainable Food Systems*** 7:1101435. https://doi.org/10.3389/fsufs.2023.1101435 |
|  | 31. Blesh, J., Mehrabi, Z., Wittman, H., Bezner Kerr, R., James, D., Madsen, S., **Smith, O.M.,** Snapp, S., Stratton. A.E., Bakarr, M., Bicksler, A., Galt, R., Garibaldi, L., Gemmill-Herren, B., Graesser, J., Grass, I., Isaac, M., John, I., Jones, S.K., Kennedy, C.M., Klassen, S., Levers, C., Rasmussen, L.V., and Kremen, C. 2023. Against the odds: pathways to agricultural diversification. ***One Earth*** 6:479-491. https://doi.org/10.1016/j.oneear.2023.03.004 |
|  | 30. **Smith, O.M.,** Davis, K.L., Pizza, R.B., Waterman, R., Dobson, K.C., Foster, B., Jarvey, J., Jones, L.N., Leuenberger, W. Nourn, N., Conway, E., Fiser, C., Hansen, Z., Hristova, A., Mack, C., Saunders, A.N., Utley, O.J., Young, M.L., and Davis, C.L. 2023. Peer review perpetuates barriers for historically excluded groups. ***Nature Ecology & Evolution*** 7:512–523. https://doi.org/10.1038/s41559-023-01999-w |
|  | 29. **Smith, O.M.\***, Cornell, K.A.\*, Crossley, M.S., Crespo, R., Jones, M.S., Snyder, W.E., and Owen, J.P. 2023. Wind speed and landscape context mediate *Campylobacter* risk among poultry reared in open environments. ***Animals*** 13:492. https://doi.org/10.3390/ani13030492  \*Authors contributed equally |
|  | 28. Croy, J.R., Zaviezo, T., Crossley, M.S., **Smith, O.M.**, Snyder, W.E., and Grez, A.A. 2023. Apparent niche differences between native and exotic lady beetles. ***Biological Control*** 178:105148. https://doi.org/10.1016/j.biocontrol.2023.105148 |
|  | 27. Eeraerts, M., Rogers, E., Gillespie, B., Best, L., **Smith, O.M.**, andWasko DeVetter, L. 2023. Landscape-level honey bee hive density, instead of field-level hive density, enhances honey bee visitation in blueberry. ***Landscape Ecology*** 38:583-595. https://doi.org/10.1007/s10980-022-01562-1 |
| 2022 | 26. **Smith, O.M.,** Jocson, D.M.I., Lee, B.W., Orpet, R.J., Taylor, J.M., Davis, A.G., Rieser, C.J., Clarke, A.E., Cohen, A.L., Hayes, A.M., Auth, C.A., Bergeron, P.E., Marshall, A.T., Reganold, J.P., Crowder, D.W., and Northfield, T.D. 2022. Identifying farming strategies associated with achieving global agricultural sustainability. ***Frontiers in Sustainable Food Systems***6:882503. https://doi.org/10.3389/fsufs.2022.882503 |
|  | 25. Taylor, J.M.\*, **Smith, O.M.\*,** Edworthy, M., Kennedy, C.M., Latimer, C.E., Owen, J.P., Wilson-Rankin, E.E., and Snyder, W.E. 2022. Bird predation and landscape context shape arthropod communities on broccoli. ***Ornithological Applications*** 124:duac005. https://doi.org/10.1093/ornithapp/duac005  \*Authors contributed equally |
|  | 24. Snyder, G.B., **Smith, O.M.,** Chapman, E.G., Crossley, M.S., Crowder, D.W., Fu, Z., Harwood, J.D., Jensen, A.S., Krey, K.L., Lynch, C.A.,and Snyder, W.E. 2022. Alternative prey mediate intraguild predation in the open field. ***Pest Management Science*** 78:3939–3946. https://doi.org/10.1002/ps.6825 |
|  | 23. Ge, Y., **Smith, O.M.,** Chen, W., Liu P., Yuan, Q., Kang, C., Wang, T., Sun, J., Yan, B., Liu, X., Guo, L. 2022. Morphological characterization and sexual dimorphism of the antennal sensilla in *Bactericera gobica* Loginova (Hemiptera: Psyllidae)—A scanning and transmission electron microscopic study. ***PeerJ***10:e12888. https://doi.org/10.7717/peerj.12888 |
|  | 22. **Smith, O.M.,** Chapman, E.G., Crossley, M.S., Crowder, D.W., Fu, Z., Harwood, J.D., Jensen, A.S., Krey, K.L., Lynch, C.A.,Snyder, G.B., and Snyder, W.E. 2022. Alternative prey and intraguild predators mediate thrips predation by generalists. ***Frontiers in Ecology and Evolution*** 10:752159. https://doi.org/10.3389/fevo.2022.752159 |
|  | 21. **Smith, O.M.,** Kennedy, C.M., Echeverri, A., Karp, D.S., Latimer, C.E., Taylor, J.M., Wilson-Rankin, E.E., Owen, J.P., and Snyder, W.E. 2022. Complex landscapes stabilize farm bird communities and their expected ecosystem services. ***Journal of Applied Ecology*** 59:927–941. https://doi.org/10.1111/1365-2664.14104 [**Cover article**](https://besjournals.onlinelibrary.wiley.com/doi/10.1111/1365-2664.13918) |
|  | 20. Cornell, K.A., **Smith, O.M.,** Crespo, R., Jones, M.S., Snyder, W.E., and Owen, J.P. 2022. Prevalence patterns for enteric parasites of chickens managed in open environments of the Western United States. ***Avian Diseases*** 66:1–9. https://doi.org/10.1637/21-00079 |
|  | 19. **Smith, O.M.,** Olimpi, E.M., Navarro-Gonzalez, N., Cornell, K.A., Frishkoff, L.O., Northfield, T.D., Bowles, T.M., Edworthy, M., Eilers, J., Fu, Z., Garcia, K., Gonthier, D.J., Jones, M.S., Kennedy, C.M., Latimer, C.E., Owen, J.P., Sato, C., Taylor, J.M., Wilson-Rankin, E.E., Snyder, W.E., and Karp. D.S. 2022. A trait-based framework for predicting foodborne pathogen risk from wild birds. ***Ecological Applications***32:e2523. https://doi.org/10.1002/eap.2523 |
|  | 18. Lynch, C.A., **Smith, O.M.,** Chapman, E.G., Crossley, M.S., Crowder, D.W., Fu, Z., Harwood, J.D., Jensen, A.S., Krey, K.L., Snyder, G.B., and Snyder, W.E. 2022. Alternative prey and farming system mediate predation of Colorado potato beetles by generalists. ***Pest Management Science*** 78:3769–3777. https://doi.org/10.1002/ps.6553 |
| 2021 | 17. Crossley, M.S., **Smith, O.M.,** Davis, T., Eigenbrode, S., Hartman, G., Lagos-Kutz, D., Halbert, S., Voegtlin, D., Moran, M., and Snyder, W.E. 2021. Complex life histories predispose aphids to recent abundance declines. ***Global Change Biology***27:4283–4293. https://doi.org/10.1111/gcb.15739 [**Cover article**](https://onlinelibrary.wiley.com/doi/epdf/10.1111/gcb.15238) |
|  | 16. Krey, K.L., **Smith, O.M.,** Chapman, E.G., Crossley, M.S., Crowder, D.W., Fu, Z., Harwood, J.D., Jensen, A.S., Lynch, C.A., Snyder, G.B., and Snyder, W.E. 2021. Prey and predator biodiversity mediate aphid predation by generalists. ***Biological Control***103:104650. https://doi.org/10.1016/j.biocontrol.2021.104650 |
|  | 15. Crossley, M.S., **Smith, O.M.,** Berry, L.L., Phillips-Cosio, R., Glassberg, J., Holman, K.M., Holmquest, J.G., Meier, A.R., Varriano, S.A., McClung, M.R., Moran, M.D., and Snyder, W.E. 2021. Recent climate change is creating hotspots of butterfly increase and decline across North America. ***Global Change Biology*** 27:2702–2714. https://doi.org/10.1111/gcb.15582 |
|  | 14. **Smith, O.M.,** Taylor, J.M., Echeverri, A., Northfield, T., Cornell, K.A., Jones, M.S., Latimer, C.E., Owen, J.P., Snyder, W.E., and Kennedy, C.M. 2021. Big wheel keep on turnin’: linking grower attitudes, farm management, and delivery of avian ecosystem services. ***Biological Conservation*** 254:108970. https://doi.org/10.1016/j.biocon.2021.108970 |
|  | 13. Blubaugh, C.K., Asplund, J.S., **Smith, O.M.,** and Snyder, W.E. 2021. Does the “Enemies Hypothesis” operate by enhancing natural enemy evenness? ***Biological Control***154:104464. https://doi.org/10.1016/j.biocontrol.2020.104464 |
|  | 12. **Smith, O.M.,** Gerdeman, B., Arrington, M., Spitler, H., and DeVetter, L. 2021. Pollination, arthropod and bird communities, and crop productivity are marginally impacted by border vegetation in highbush blueberry production. ***HortTechnology*** 31:144–152. https://doi.org/10.21273/HORTTECH04735-20 |
| 2020 | 11. **Smith, O.M.**, Edworthy, A., Taylor, J.M., Jones, M., Tormanen, A., Kennedy, C.M., Fu, Z., Latimer, C.E., Cornell, K.A., Michelotti, L.A., Sato, C., Northfield, T., Snyder, W.E., and Owen, J.P. 2020. Agricultural intensification heightens food safety risks posed by wild birds. ***Journal of Applied Ecology*** 57:2246–2257. https://doi.org/10.1111/1365-2664.13723 (shortlisted for 2020 early career researcher Southwood Prize) [**Cover article**](https://esajournals.onlinelibrary.wiley.com/doi/10.1002/eap.2094) |
|  | 10. Latimer, C.E., **Smith, O.M.,** Taylor, J.M., Edworthy, A., Owen, J., Snyder, W.E., and Kennedy, C.M. 2020. Landscape context modifies the physiological stress response of birds to farm diversification. ***Journal of Applied Ecology*** 57:671–680. https://doi.org/10.1111/1365-2664.13583 |
|  | 9. **Smith, O.M.,** Snyder, W.E., and Owen, J.P. 2020. Are we overestimating risk of spillover of enteric pathogens from wild birds to humans? ***Biological Reviews*** 95:652–679. https://doi.org/10.1111/brv.12581 |
|  | 8.**Smith, O.M.,** Cohen, A.L., Jones, M.S., Reganold, J.P., Orpet, R.J., Taylor, J.M., Thurman, J.H., Cornell, K.V., Olsson, R.L., Ge, Y., Kennedy, C.M., and Crowder, D.W. 2020. Landscape context affects the sustainability of organic farming systems. ***Proceedings of the National Academy of Sciences*** 117:2870–2878. https://doi.org/10.1073/pnas.1906909117 |
|  | 7. **Smith, O.M.,** Kennedy, C.M., Owen, J.P., Northfield, T.D., Latimer, C.E., and Snyder, W.E. 2020. Highly diversified crop-livestock farming systems reshape wild bird communities. ***Ecological Applications*** 30:e02031. https://doi.org/10.1002/eap.2031 |
|  | 6. Ge, Y., Liu, P., Zhang, L., Snyder, W.E., **Smith, O.M.**, and Wangpeng, S. 2020. A sticky situation: honeydew of the pear psylla disrupts feeding by its predator *Orius sauteri.* ***Pest Management Science*** 76:75–84. https://doi.org/10.1002/ps.5498 |
| 2019 | 5.**Smith, O.M.,** Cohen, A.C., Riser, C.J., Davis, A., Taylor, J.M., Adesanya, A.W., Jones, M.S., Meier, A., Reganold, J.P., Orpet, R.J., Northfield, T., and Crowder, D.W. 2019. Organic farming provides reliable environmental benefits but increases variability in crop yields. ***Frontiers in Sustainable Food Systems*** 3:1–10. https://doi.org/10.3389/fsufs.2019.00082 |
|  | 4. Jones, M.S., Wright, S.A., **Smith, O.M.,** Besser, T.E., Headrick, D.H., Crowder, D.W., and Snyder, W.E. 2019. Organic farms conserve dung beetles capable of disrupting fly vectors of foodborne pathogens. ***Biological Control*** 137:104020. https://doi.org/10.1016/j.biocontrol.2019.104020 |
|  | 3. Ge, Y., Wang, Y., Qin Z., Liu, P., Zhang, L., Tan, S., Fu, Z., **Smith, O.M.**, and Wangpeng, S. 2019. Different predation capacities and mechanism of *Harmonia axyridis* (Coleoptera: Coccinellidae) on two morphotypes of pear psylla *Cacopsylla chinesis* (Hemiptera: Psyllidae). ***PLoS ONE*** 14:e0215834. https://doi.org/10.1371/journal.pone.0215834 |
| 2017 | 2. **Smith, O.M.** and Wassmer, T. 2017. Population responses of the northern bobwhite (*Colinus virginianus*)to land use changes in the agricultural landscapes of Ohio, USA. ***Population Ecology*** 59:363–370. https://doi.org/10.1007/s10144-017-0594-1 |
| 2016 | 1. **Smith, O.M.** and Wassmer, T. 2016. An ethogram of commonly observed behaviors of the endangered bridled white-eye (*Zosterops conspicillatus*)in a zoo setting*.* ***Wilson Journal of Ornithology*** 128:647–653. https://doi.org/10.1676/1559-4491-128.3.647 |

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| RESEARCH PUBLICATIONS (*in review*) |

[R5] Varriano, S., Smith, J.C., **Smith, O.M.**, Rodrigues, P.A.P., Snipes, Z., Roach, K., Dawson, J.L., Shealy, J., Dunn, L.L., Shariat, N.W., and Snyder, W.E. Wild birds may poste unique food safety threats in the US Southeast (*in preparation* for *Ornithological Applications*).

[R4] **Smith, O.M.**, Rodrigues, P.A., Groendyk, S., Utley, O.J., d’Altena, A., Carbonell, S., Davis, K.L., Swartout, T., Varriano, S., Kettler, N., Mani, R., Manning, S.D., Owen, J.C., Snyder, W.E., and Lindell, C.A. Falcons reduce food safety risks and crop damage from wild birds (*in review* at *Journal of Applied Ecology*).

[R3] Ge, Y., Chen, W., **Smith, O.M.**, Xiong, F., Kang, C., Wang, T., Yan, B., Chen, K., Liu, P., and Guo, L. The pesticide cypermethrin alters intraguild predation between two generalist predators and dampens biocontrol of aphids (*submitted* to *Journal of Pest Science*).

[R2] Spence, A.R., McGarvey, J., Lee, S., **Smith, O.M.**, Olimpi, E.M., Smith, J.C., Shariat, N.W., and Karp, D.S. Prevalence of pathogenic *Escherichia coli*, *Salmonella enterica*, and *Campylobacter* spp. in wild birds in produce farms in the United States (*in review* at *Human–Wildlife Interactions*).

[R1] **Smith, O.M.**, Jeffery, B.E., Leuenberger, W., Mack, C., Pizzo, G., Zhang, B., and Davis, C.L. Journal articles must be made accessible (*accepted* at *Nature Ecology & Evolution*).

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| **EXTENSION AND OUTREACH PUBLICATIONS** (11 first-authored) | |
| **2022** | 12. **Smith, O.M.** 2022. Birds don’t strongly impact broccoli damage or yields on diversified U.S. West Coast farms. ***The Wing Beat***, American Ornithological Society. https://americanornithology.org/birds-dont-strongly-impact-broccoli-damage-or-yields-on-diversified-us-west-coast-farms/ |
|  | 11. **Smith, O.M.**, Olimpi, E.M., and Karp, D.S. 2022. Feedlot association increases food safety risk associated with wild birds. ***Bulletin of the Ecological Society of America*** 103:e01974. https://doi.org/10.1002/bes2.1974 |
|  | 10. **Smith, O.M.** 2022. Bird-friendly agriculture: finding the right balance to benefit birds and farmers. ***The Applied Ecologist***, British Ecological Society. https://appliedecologistsblog.com/2022/01/20/bird-friendly-agriculture-finding-the-right-balance-to-benefit-birds-and-farmers/ |
|  | 9. **Smith, O.M.** 2022.Conservation-friendly farming can benefit both birds and crops. ***Cool Green Science Blog***, The Nature Conservancy. https://blog.nature.org/science/2022/01/20/conservation-friendly-farming-can-benefit-both-birds-and-crops/?fbclid=IwAR0LY0TPCD5rOZ-p8RIl4QRu\_kGLNuaiARXPR1OQFnNX8BiVb1Ito6c1gHs |
| **2020** | 8. **Smith, O.M.,** Bourbour, R., Cornell, K.A., Groendyk, S., Hannay, M., Martinico, B., Utley, O., Snyder, W.E., and Lindell, C. 2020. Promoting beneficial raptors: identification, pest control services, and management. ***eXtension/eOrganic*** publication 34052. http://eorganic.org/node/34052 |
|  | 7. **Smith, O.M.** and Kennedy, C.K. 2020. What is the best type of farm for birding? ***Cool Green Science Blog***, The Nature Conservancy. https://blog.nature.org/science/2020/05/18/what-is-the-best-type-of-farm-for-birding/?fbclid=IwAR21zsxA8dzBrGEGtrb6dfur4TrcQAkBp2-qgwz4o7JDOZvROUTFK66WzUk |
| **2018** | 6. **Smith, O.M.** and Snyder, W.E. 2018. Identifying nests on farm structures. ***eXtension/eOrganic*** publication 25296. https://eorganic.org/node/25296 |
|  | 5. DeVetter, L., Gerdeman, B., Arrington, M., Spitler, H., Snyder, W.E., and **Smith, O.M.** 2018. How border vegetation impacts pollination and insect and bird species abundance on Washington blueberry farms. ***Whatcom Ag Monthly*** 7(4). http://extension.wsu.edu/wam/how-border-vegetation-impacts-pollination-and-insect-and-bird-species-abundance-on-washington-blueberry-farms/?utm\_source=Whatcom+Ag+Monthly&utm\_campaign=55bb71baf4-Whatcom+AgMonthly+September+2017&utm\_medium=email&utm\_term=0\_4f449891a1-55bb71baf4-90618097 |
| **2017** | 4. **Smith, O.M.** and Snyder, W.E. 2017. Identification, diet, and management of swallows and swifts common on organic farms. ***eXtension/eOrganic*** publication 21871. https://eorganic.org/node/21859 |
|  | 3. **Smith, O.M.** and Snyder, W.E. 2017. Identification, diet, and management of chickadees and warblers common on organic farms. ***eXtension/eOrganic*** publication 21859. https://eorganic.org/node/21871 |
|  | 2. **Smith, O.M.** and Snyder, W.E. 2017. Western bluebird (*Sialia mexicana*) identification, diet, and management for organic farmers. ***eXtension/eOrganic*** publication 21870. https://eorganic.info/index.php?q=node/21870 |
| **2014** | 1. **Smith, O.M.** and Wassmer, T. 2014. Increasing the reproductive fitness of captive bridled white-eyes. ***McNair Scholars Program Research Journal***: 36-61. |

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| FUNDING |

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| GRANTS (total $370,000) | |
| 2022–2023 | **Center for Produce Safety**; “Towards a holistic assessment of the food-safety risks imposed by wild birds” (PI: Daniel S. Karp; co-PIs Jeffrey McGarvey, Elissa Olimpi\*, and Olivia M. Smith\*) (**$370,000**)  \* Could not officially serve as co-PI due to being a postdoc at the time |

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| FELLOWSHIPS (total $449,071) | | | |
| 2021–2024 | **Presidential Postdoctoral Fellowship in Ecology, Evolution, and Behavior,** Michigan State University **($165,000)** | | |
| 2021–2023 | **USDA Postdoctoral Fellowship,** Michigan State University, “Can attraction of predatory birds reduce food safety risks posed by pest birds in orchards?” **($164,071)** | | |
| 2019 | **USDA Pre Doctoral Fellowship,** Washington State University, “Is native bird biodiversity the key to suppressing human foodborne pathogens while bolstering natural pest control services?” **($120,000)** | | |
| SMALL STUDENT AND TRAVEL GRANT AWARDS | | | |
| 2020 | | **American Ornithological Society Diversity and Inclusion Travel Award**, North American Ornithological Conference Virtual Meeting | |
| 2017–2019 | | **Elling Endowment,** Washington State University (awarded four times) | |
| 2017, 2018 | | **American Ornithological Society Student Travel Award** (awarded twice) | |
| 2017 | | **Palouse Audubon Society Student Grant**, Palouse Audubon Society | |
|  | | **Louis W. Getzin Memorial Scholarship**, Washington State University | |
| 2013 | | **Biology Student Grant,** Siena Heights University | |
| AWARDS AND HONORS | | | |
| Southwood Prize Shortlist for best paper in *Journal of Applied Ecology* by an early career researcher *https://besjournals.onlinelibrary.wiley.com/toc/13652664/2020/57/11* | | | 2021 |
| Student Research Endowment in Zoology, School of Biological Sciences, Washington State University (awarded for the best graduate student research) | | | 2019 |
| Outstanding Student Award, Computing, Mathematics, and Sciences Division, Siena Heights University (awarded to the best two graduating students) | | | 2013 |
| McNair Scholar in the Ronald E. McNair Post-Baccalaureate Achievement Program, Siena Heights University | | | 2012-Present |
| First Year Biology Student Award, Siena Heights University (awarded to the best first year biology student) | | | 2011 |

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| LEADERSHIP OF STUDENT COLLABORATIVE RESEARCH GROUPS | |
| Michigan State University Accessibility Research Group (The ARG)  I started this group for graduate students and postdoctoral researchers to conduct collaborative research to promote accessibility in STEM. The group includes 7 early career researchers from ecology/evolution, statistics, and psychology that identify as having diverse disability statuses. We collaboratively conducted a study showing that almost three-quarters of journals do not encourage authors to consider accessibility when preparing their manuscripts. We conclude our article with recommendations for an iterative process of journal policy reform in collaboration with the disability community. Our manuscript was just accepted at *Nature Ecology & Evolution*.  *Note: I founded this group my last year as a postdoc and am leading it with no other faculty involvement* | 2023–Present |
| Michigan State University, Ecology, Evolution, and Behavior Collaborative Research Group (EEB CRG)  I started this group to train early career professionals to conduct collaborative meta-analyses as part of my Presidential Postdoctoral Fellowship. The group included 16 graduate students and 3 postdocs from 6 departments at Michigan State University. Our research was on inequity in peer review. The group generated one paper per academic year for two years. I am first author on both published papers ([Smith et al. (2023) *Nature Ecology and Evolution*](https://doi.org/10.1038/s41559-023-01999-w)and [Smith et al. (2024) *Trends in Ecology & Evolution*](https://doi.org/10.1016/j.tree.2024.02.003)).  *Note: I solo founded this group and led it with no faculty involvement* | 2021–2024 |
| Washington State University, Entomology Journal Group  I co-founded and led this group with the goal of training early career professionals in collaborative research and to better prepare them for graduation and the job market. Our research was on sustainable agriculture. The group generated one paper per academic year for three years. In total, it included 19 graduate students (4 continued in the group after becoming postdocs), 1 postdoc, 3 faculty, and 1 nonprofit scientist. We published three peer reviewed papers, all of which I am first author on ([Smith et al. (2020) *PNAS*](https://doi.org/10.1073/pnas.1906909117); Smith et al. ([2019](https://doi.org/10.3389/fsufs.2019.00082), [2022](https://doi.org/10.3389/fsufs.2022.882503)) *Frontiers in Sustainable Food Systems*). | 2017–2020 |

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| TEACHING AND MENTORING EXPERIENCE |

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| INSTRUCTOR OF RECORD EXPERIENCE | |
| Michigan State University  *Biology of Birds (IBIO 360; 4 credit hours; lecture and 2 lab sections; 35 students; managed 2 undergraduate learning assistants)* | Spring 2024 |
| TEACHING ASSISTANTSHIPS | |
| The Ohio State University  *Teaching Assistant for Natural Resources Data Analysis (ENR 2000)* | Spring 2014, Fall 2014, Fall 2015 |
| The Ohio State University  *Teaching Assistant for Avian Biology and Management (ENR 5364.02)* | Spring 2014 and Spring 2015 |
| The Ohio State University  *Teaching Assistant for Wildland Fire Management (ENR 3335)* | Fall 2013 |
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| STUDENTS INDIVIDUALLY MENTORED | |

Graduate: Yang Ge, Kevin Cornell, Priscilla Howard, and Olivia Utley

Undergraduate:

–Individual projects: Aaron Tormanen and Anna Dunnebacke

–Co-supervised 6 with lab work (Sara Nogueiro, Mara Huang, Emily Suarez, Joy Navarrete, Carolina Ruiz, Chika Sato)

–Co-trained 12 on bird banding techniques at the Michigan State Bird Observatory (4 in fall 2023, 3 in spring/summer 2024, 7 in fall 2024)

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| ACADEMIC PRESENTATIONS |

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| INVITED ACADEMIC SEMINARS | | |
| University of California, Berkeley  *BIRDS: Building Increased Resilience through Diverse Systems*  Michigan State University, Department of Horticulture  *Landscape context impacts the sustainability of organic vegetable production* | | December 2024  March 2024 |
| University of Illinois at Urbana-Champaign, Department of Crop Sciences  *Landscape diversity in agroecosystems: a primer* | | March 2023 |
| University of Illinois at Urbana-Champaign, Department of Crop Sciences  *Integrating data from microbes to landscapes to enhance crop protection and productivity* | | March 2023 |
| The Pennsylvania State University, Department of Entomology  *From microbes to landscapes: integrating data to enhance crop protection and productivity* | | February 2023 |
| Michigan State University, Ecology, Evolution, and Behavior Program  *Does agricultural intensification increase biodiversity-mediated disservices?* | | January 2021 |
| University of Georgia, Department of Entomology  *Do wild birds on farms do more harm than good? Ecological services and disservices delivered by farmland wild birds* | | October 2020 |
| INVITED ACADEMIC CONFERENCE PRESENTATIONS | | |
| Beta Beta Beta Biological Honor Society, NE-4 District Convention  Invited keynote speaker  *Co-managing farmlands for bird conservation, crop production, and food safety* | April 2024 | |
| Entomological Society of America, Entomology 2020 Virtual Meeting  Invited speaker for the symposium, “Insect Pests and Beneficial Arthropods in Climate-Change-Resilient Diversified Cropping Systems”  *Landscape context affects the sustainability of organic farming systems* | November 2020 | |
| American Ornithological Society 137th Stated Meeting, Anchorage, AK  Co-organized symposium, “When do birds help or hurt farmers?”  *Understanding food safety risks associated with wild birds: a meta-analysis and conceptual framework* | June 2019 | |

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| INVITED ACADEMIC PANELS | | |
| Michigan State University; Ecology, Evolution, and Behavior Program  *Panelist on the “Decoding the postdoc market” workshop* | March 2024 | |
| Michigan State University; Ecology, Evolution, and Behavior Research Symposium; EEB Community Engagement  *Panelist and presentation of “Peer review perpetuates barriers for historically excluded groups”* | May 2023 | |
| University of Michigan, Institute for Global Change Biology, Lunch and Learn  *Topic: Behind the paper: real stories of how manuscripts were conceived; Subtopic: Journal publication and peer review barriers* | April 2023 | |
| Siena Heights University, Ronald E. McNair Post-Baccalaureate Achievement Program  *Former Scholar Q&A for McNair Scholars’ Summer Research Internships* | August 2022 | |
| Michigan State University; Ecology, Evolution, and Behavior Research Symposium; EEB Community Engagement  *Panelist and presentation of “EEB Collaborative Research Group”* | May 2022 | |
| Michigan State University; Ecology, Evolution, and Behavior Program  *EEB Post Doc Panel Palooza panelist* | September 2021 | |
| Siena Heights University, Ronald E. McNair Post-Baccalaureate Achievement Program  *Former Scholar Q&A for McNair Scholars’ TRIO Day* | February 2020 | |
| The Ohio State University, School of Environment and Natural Resources  *Panelist for incoming graduate student Q & A* | August 2015 | |
| CONTRIBUTED ACADEMIC PRESENTATIONS | | |
| Ecological Society of America 108th Annual Meeting, Portland, OR  *Peer review perpetuates barriers for historically excluded groups* | | August 2023 |
| Michigan State University Ecology, Evolution, and Behavior Student Colloquia  *Landscape diversity in agroecosystems: a primer* | | March 2023 |
| Michigan State University Ecology, Evolution, and Behavior Research Symposium  *Complex landscapes stabilize farm bird communities and their expected ecosystem services* | | May 2022 |
| Michigan State University Ecology, Evolution, and Behavior Student Colloquia  *Can attraction of predatory birds reduce food safety risks posed by pest birds in orchards?* | | November 2021 |
| American Ornithological Society and Society of Canadian Ornithologists Joint Meeting (fully virtual)  *A trait-based framework for predicting foodborne pathogen risk from wild birds* | | July 2021 |
| Enthusiasts of Diversity, Genetics and Evolution Seminar Series at the University of Georgia  *Whichever songbird [defecates] on our kale: linking grower attitudes, farm management, and food safety risks* | | February 2021 |
| North American Ornithological Conference VII (fully virtual)  *Agricultural intensification heightens food safety risks posed by wild birds* | | August 2020 |
| Washington State University, School of Biological Sciences Seminar Series  *Impacts of land use and farm intensification on multiple sustainability aspects* | | October 2019 |
| ESA, ESC, and ESBC Joint Annual Meeting, Vancouver, BC  *Impact of natural habitat on trophic cascade strength in a broccoli system* | | November 2018 |
| American Ornithological Society 136th Stated Meeting, Tucson, AZ  *Population responses of the northern bobwhite (*Colinus virginianus*) to land use changes in the agricultural landscapes of Ohio, USA* | | April 2018 |
| Washington State University, School of Biological Sciences  *Landscape drivers of avian-mediated services and disservices in organic agriculture* *(PhD Proposal Defense)* | | March 2018 |
| American Ornithological Society 135th Stated Meeting, East Lansing, MI  *Avian community structure on West Coast organic farms* | | August 2017 |
| The Ohio State University, School of Environment and Natural Resources, Columbus, OH  *Effects of agricultural land conversion and landscape connectivity on movement, distribution, and abundance of northern bobwhites (*Colinus virginianus*) in Ohio (Master’s Defense)* | | October 2015 |
| Midwest Fish and Wildlife Conference, Indianapolis, IN  *Managing edges to increase usable space for northern bobwhites: The Ohio experience* | | February 2015 |
| McNair Research Conference, University of Maryland, College Park, MD  *Increasing the reproductive fitness of captive bridled white-eyes* | | March 2013 |
| McNair Scholars Symposium, Siena Heights University, Adrian, MI  *Increasing the reproductive fitness of captive bridled white-eyes* (talk and poster) | | February 2013 |
| Denver Zoo Passerine Workshop, Denver, CO  *Increasing the reproductive fitness of captive bridled white-eyes* | | October 2012 |

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| EXTENSION & OUTREACH PRESENTATIONS |

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| WEBINARS, ONLINE COURSES, AND VIDEOS | | | |
| Wild Farm Alliance, Support Avian Pest Control Services California Continuing Education Course (invited)  *Habitat on farms support avian pest control services* | January 2023 | | |
| Wild Farm Alliance, Online Course for Ag Professionals and Farmers on How to Support Birds (invited)  *Lesson 6 – Co-existing with birds and making farms safe* | May 2022 | | |
| Wild Farm Alliance Farmer Success Stories Series (invited)  *Diversify your farm to support birds and make it safer* | January 2021 | | |
| The Organic Center Webinar (invited)  *Biodiversity and profitability on organic farms – environmental and economic benefits of organic practices* | July 2020 | | |
| eOrganic eXtension Webinar  *Identifying Birds on the Farm* | January 2019 | | |
| eOrganic eXtension Webinar  *Tools for Farm Biodiversity* | February 2018 | | |
| PODCASTS | | |
| Agrifood Safety Produce Bites, Michigan On-Farm Produce Safety, MSU Extension (invited)  *How risky are birds to produce safety?* | | April 2022 |
| MSU Ag and Wildlife Podcast, MSU Extension (invited)  *Episode 3: Wild birds on the farm* | | October 2021 |

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| CONFERENCE & CLASSROOM TALKS | |
| Great Lakes Fruit, Vegetable and Farm Market EXPO, Grand Rapids, MI  Invited speaker for the symposium, “Sweet Corn”  *Wildlife management strategies in corn* | December 2024 |
| Michigan State University, W.K. Kellogg Biological Station Bird Sanctuary, Augusta, MI  Field Ornithology course for the public (invited presenter)  *Co-managing farmlands for bird conservation, crop production, and food safety* | April 2024 |
| Capital Area Audubon Society, Lansing, MI (invited)  *Co-managing farmlands for bird conservation, crop production, and food safety* | February 2024 |
| Great Lakes Fruit, Vegetable and Farm Market EXPO, Grand Rapids, MI  Invited speaker and panelist for the symposium, “IPM Innovations”  *Strategies to increase the benefits and reduce the costs of birds in Michigan crops* | December 2022 |
| Great Lakes Fruit, Vegetable and Farm Market EXPO, Grand Rapids, MI  Invited speaker for the symposium, “Cherries”  *Can attraction of predatory birds reduce food safety risks posed by pest birds in sweet cherry orchards?* | December 2022 |
| Washington State University Pesticide Education Program, Pasco, WA  *Costs and Benefits of Birds in Agro-Ecosystems* | February 2017 |
| Pheasants Forever/Quail Forever Columbus Chapter, Columbus, OH (invited)  *Northern Bobwhite Management in Ohio* | May 2015 |
| The Ohio State University, School of Environment and Natural Resources Youth Summit, Columbus, OH  *Threats to wetlands* | November 2014 |
| The Ohio State University, Ohio Northern Bobwhite Project Landowners Meeting, Highland County, OH  *From egg to detritus: Linking movements, distribution, and abundance of northern bobwhites over the years and through the seasons* | July 2014 |
| Patterson Elementary School first grade classroom, Tecumseh, MI (invited)  *Let’s talk about birds!* | April 2014 |
| FIELD DAY PRESENTATIONS | |
| Fenner Nature Center, Lansing, MI (invited)  *Fall Migration Birding Public Program* | August 2024 |
| Michigan State University, W.K. Kellogg Biological Station 1st Bioblitz, Augusta, MI (invited)  *Forest Birds* and *Prairie Birds* sessions | June 2023 |
| Fully Belly Farm Hoes Down Harvest Festival 30th Annual Celebration, Guinda, CA (invited)  *Spotting Birds and Bugs on the Farm* | October 2017 |
| Full Belly Farm Hoes Down Harvest Festival 29th Annual Celebration, Guinda, CA (invited)  *Costs and Benefits of Wild Birds on Organic Farms* | October 2016 |
| The Ohio State University Farm Science Review  *On the edge & down in the weeds: Managing farmland wildlife habitat to keep common species common* | September 2014 |
| West Central Wildlife Habitat Series Landowner Workshop, Preble County, OH  *Bobwhite quail habitat management* | September 2014 |

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| OTHER CONTRIBUTIONS TO THE ACADEMIC COMMUNITY | | |
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| EDITOR |  | |
| Associate Editor, *Ornithological Applications* | August 2021–Present | |

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| REVIEWER ACTIVITY |

***Journal articles (each unique article is counted once):*** *Nature Food* (1); *Trends in Ecology and Evolution* (2); *Ecology Letters* (1); *Conservation Letters* (1); *PLOS Biology* (1); *Journal of Applied Ecology* (4); *Agriculture, Ecosystems & Environment* (1); *Proceedings of the Royal Society B* (3); *Biological Conservation* (1); *Ecology* (1); *Ecohealth* (1); *Ornithological Applications* (1); *Human–Wildlife Interactions* (1); *Journal of Field Ornithology* (1)

***Grants:*** NSF CAREER (1)

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| MEMBERSHIP IN PROFESSIONAL SOCIETIES | | | |
| American Ornithological Society | | 2017–Present | |
| Entomological Societies of America | | 2018–2021 | |
| Pi Mu Epsilon, National Math Honors Society | | 2012–Present | |
| SERVICE AT ANNUAL MEETINGS AND SYMPOSIA | | | | |
| Great Lakes Fruit, Vegetable and Farm Market EXPO; session moderator | | | 2024 | |
| Michigan State University; Ecology, Evolution, and Behavior Research Symposium; poster judge | | | 2023 | |
| American Ornithological Society annual meeting; student presentation award judge | | | 2020 | |
| American Ornithological Society annual meeting; session moderator | | | 2020 | |
| American Ornithological Society annual meeting; session moderator | | | 2018 | |
| The Ohio State University, CFAES Undergraduate Research Forum; student poster judge | | | 2015 | |
| OTHER PUBLIC EDUCATION AND OUTREACH | | | |
| Michigan State University, Michigan State Bird Observatory  *Undergraduate training (4 interns fall 2023, 3 interns spring/summer 2024, 7 interns fall 2024), public outreach (including social media management fall 2024), and bird extraction/banding* | August 2022–present | | |
| Washington State University  *Entomology Graduate Student Association Outreach* | April 2016–May 2019 | | |
| Palouse Discovery Science Center, Pullman, WA  *Education Volunteer* | January 2017–August 2019 | | |
| Sharron Woods Metro Park, Columbus, OH  *Volunteer Naturalist* | March 2015–December 2015 | | |
| Toledo Zoo Bird Department, Toledo, OH  *Intern then Volunteer* | August 2011–December 2015 | | |
| Columbus Zoo, Columbus, OH  *Education Volunteer* | January 2014–December 2014 | | |

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| OTHER UNIVERSITY SERVICE | |
| Michigan State University, Department of Horticulture  *Diversity, Equity, and Inclusion Committee* | September 2024–present |
| Michigan State University  *Faculty Advisor to the MSU Undergraduate Birding Club* | August 2024–present |
| Michigan State University, Ecology, Evolution, and Behavior Program  *eeBirding* (started monthly birding event to foster community) | September 2021–present |
| Washington State University  *Commission on the Status of Women Graduate Student Representative* | August 2018–August 2019 |
| Washington State University  *Entomology Graduate Student Association Preliminary Exam Study Group* (started and led group; had a syllabus and weekly meetings) | August 2017–February 2018 |
| Washington State University  *Entomology Graduate Student Association Social Chair* (started and led committee) | April 2016– August 2019 |
| The Ohio State University Museum of Biological Diversity  *Avian specimen preparation* | April 2015–December 2015 |
| The Ohio State University  *Teaching Orientation Facilitator for “Teaching as a grader”* | April 2015–August 2015 |
| The Ohio State University  *Youth Summit Coordinator* | November 2014 |