

# MORGAN W. TINGLEY

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CONTACT INFORMATION	Ecology & Evolutionary Biology University of California, Los Angeles 621 Charles E. Young Dr. S. #951606 Los Angeles, CA 90095	<i>E-mail:</i> mtingley@ucla.edu <i>Office phone:</i> (310) 794-7834 <i>Website:</i> morgantingley.com <i>Pronouns:</i> he / him / his
RESEARCH	Quantitative global change ecology, focusing on how large-scale anthropogenic drivers, particularly climate change, affect geographic distributions and community interactions over years to centuries.	
APPOINTMENTS	<b>Professor, University of California, Los Angeles</b> Department of Ecology & Evolutionary Biology Institute of the Environment & Sustainability	2024–present
	<b>Associate Professor, University of California, Los Angeles</b>	2019–2024
	<b>Assistant Professor, University of Connecticut</b>	2014–2019
	<b>Research Associate, Institute for Bird Populations</b>	2012–present
	<b>Postdoctoral Fellow, Princeton University</b>	2012–2014
	<b>Postdoctoral Researcher, Institute for Bird Populations</b>	2011–2012
EDUCATION	<b>Ph.D., University of California, Berkeley</b> Environmental Science, Policy and Management.	2011
	<b>M.Sc., University of Oxford</b> Integrative Bioscience ( <i>Distinction</i> ).	2004
	<b>B.A., Harvard University</b> Environmental Science and Public Policy. <i>Summa cum laude</i> .	2003
AWARDS & DISTINCTIONS	2024 Excellence in Educational Innovation Award, UCLA Division of Life Sciences 2022 Best Scientific Publication Award, Rocky Mtn. Research Stn., USDA Forest Service 2020 <i>Ecography</i> Award for Excellence in Ecology and Evolution (The E4 Award) 2020 Commendation, Society for Improvement of Psychological Science (for <i>litsearchr</i> ) 2018 Fellow, American Ornithological Society 2017 Mentorship Excellence Award, University of Connecticut 2017 Jed Burtt Mentoring Award, Wilson Ornithological Society 2014 Wings Across the Americas Conservation Award, USDA Forest Service 2014 Elective Member, American Ornithologists' Union 2012 Young Professionals Award, Cooper Ornithological Society 2009 Robert B. Berry Student Presentation Award, American Ornithologists' Union 2007 Outstanding Graduate Student Instructor, University of California, Berkeley 2003 Phi Beta Kappa, Harvard University 2003 John T. Hoopes Prize, Harvard University	

RESEARCH  
FUNDING &  
FELLOWSHIPS

Current

NASA, \$150,000, *FINESST: Sensing the biodiversity impacts of gold mining in the Peruvian Amazon*; Role: PI. 2024–2027.

Institute for Bird Populations, \$129,500, *Analysis of Wildlife Research Data*; Role: PI. 2020–2025.

NASA, \$147,841, *FINESST: Linking emerging threats to wildlife and human health to climate change effects on boreal forest ecosystems*; Role: PI. 2022–2025.

Past

NSF EF Macrosystems Biology, \$958,106, *Causes, Consequences, and Cross-Scale Linkages of Climate-Driven Phenological Mismatch Across Three Trophic Levels*; Role: PI. 2017–2024.

State of Connecticut, \$430,982, *Modeling Connecticut's Avian Assemblage*; Role: Co-PI. 2017–2021.

USDA Forest Service Region 5, \$172,150, *Response of Biological Communities to Wildfire in California*; Role: Senior Personnel. 2014–2020.

US Department of Interior, \$25,000, *Incorporating pyrodiversity into wildlife habitat assessments for post-fire management and recovery*; Role: PI. 2020–2021.

NSF DDIG, \$17,332, *Phenological shifts in seed-dispersal networks of the Sierra Nevada, California*; Role: PI (advisor to PhD student). 2017–2018.

Society for Conservation Biology, \$141,250, *David H. Smith Conservation Research Fellowship*. 2012–2014.

PEER  
REVIEWED  
PUBLICATIONS

h-index = 41, >7700 citations, achieving >1200 citations per year (Google Scholar)

† denotes undergraduate student mentee co-author

\* denotes graduate student mentee co-author

§ denotes last-author assuming second contribution, otherwise authorship is ordered in descending order of contribution or alphabetical following lead

104. Neate-Clegg, M. H. C., Tonelli\*, B. A., & **Tingley§, M. W.** (2024). Advances in breeding phenology outpace latitudinal and elevational shifts for North American birds tracking temperature. *Nature Ecology & Evolution*, 1–10.
103. Nihei†, A., Sanderfoot, O. V., LaBarbera, K., & **Tingley§, M. W.** (2024). Wildfire smoke impacts the body condition and capture rates of birds in California. *Ornithology*, ukae023.
102. Sanderfoot, O. V., **Tingley, M. W.**, Bassing, S. B., Vaughan, J. K., June, N. A., & Gardner§, B. (2024). Hazardous wildfire smoke events can alter dawn soundscapes in dry forests of central and eastern Washington, United States. *Global Ecology and Conservation*, 54, e03044.

- PUBLICATIONS (CONT.)
101. Curti\*, J. N., Barton, M., Flores†, R. G., Lechner†, M., Lipman, A., Montgomery\*, G. A., Park†, A. Y., Rochel, K., & **Tingley§, M. W.** (2024). Using unstructured crowd-sourced data to evaluate urban tolerance of terrestrial native animal species within a California Mega-City. *PLOS ONE*, *19*(5), e0295476.
  100. Neate-Clegg, M. H. C., Tingley, M. W., & Newmark, W. D. (2024). Afromontane understory birds increase in body size over four decades. *Ecography*, *2024*, e071106.
  99. Sandor\*, M. E., **Tingley, M. W.**, & Elphick, C. S. (2024). The spatial scaling of mutualistic network diversity. *Environmental Research: Ecology*, *3*, 015002.
  98. Steel, Z. L., Miller, J. E. D., Ponisio, L. C., **Tingley, M. W.**, Wilkin, K., Blakey, R., Hoffman, K. M., & Jones§, G. (2024). A roadmap for pyrodiversity science. *Journal of Biogeography*, *51*, 280–293.
  97. Latif, Q. S., Valente, J. J., Johnston, A., Davis, K. L., Fogarty, F. A., Green, A. W., Jones, G. M., Leu, M., Michel, N. L., Pavlacky, D. C., Rigby, E. A., Rushing, C. S., Sanderlin, J. S., **Tingley, M. W.**, & Zhao, Q. (2024). Designing count-based studies in a world of hierarchical models. *The Journal of Wildlife Management*, e22622.
  96. Clare, J. D. J., Valpine, P., Moanga, D. A., **Tingley, M. W.**, & Beissinger§, S. R. (2023). A cloudy forecast for species distribution models: Predictive uncertainties abound for California birds after a century of climate and land-use change. *Global Change Biology*, e17019.
  95. Uetrecht\*, M. R., Bermudez, A., Novoa, D., Reithel, J., Rodriguez, V., Smith, R., Sprott, S., **Tingley, M. W.**, & Blumstein§, D. T. (2023). Differential response of three large mammal species to human recreation in the Rocky Mountains of Colorado, USA. *Frontiers in Conservation Science*, *4*, 1234157.
  94. Tonelli\*, B. A., Zelin†, A. E., Dearborn, D. C., & **Tingley§, M. W.** (2023). Individual-based models of avian migration for estimating behavioural traits and predicting ecological interactions. *Methods in Ecology and Evolution*, *14*, 2464-2481.
  93. Youngflesh, C., Montgomery\*, G.A., Saracco, J.F., Miller, D.A.W., Guralnick, R.P., Hurlbert, A.H., Siegel, R.B., LaFrance, R., & **Tingley§, M.W.** (2023). Demographic consequences of phenological asynchrony for North American songbirds. *PNAS*, *120*, e2221961120.
  92. Pecl, G.T., Kelly, R., Lucas, C., Putten, I., Badhe, R., Champion, C., Chen, I., Defeo, O., Gaitan-Espitia, J. D., Evengård, B., Fordham, D.A., Guo, F., Henriques, R., Henry, S., Lenoir, J., McGhie, H., Mustonen, T., Oliver, S., Pettorelli, N., Pinsky, M.L., Potts, W., Santana-Garcon, J., Sauer, W., Stensgaard, A., **Tingley, M.W.**, & Verges, A. (2023). Climate-driven ‘species-on-the-move’ provide tangible anchors to engage the public on climate change. *People and Nature*, *5*, 1384-1402.
  91. Neate-Clegg, M.H.C., Tonelli\*, B.A., Youngflesh, C., Wu\*, J.X., Montgomery\*, G.A., Şekercioğlu, Ç.H., & **Tingley§, M.W.** (2023). Traits shaping urban tolerance in birds differ around the world. *Current Biology*, *33*, 1677-1688.

PUBLICATIONS  
(CONT.)

90. Neate-Clegg, M.H.C., Etterson, M.A., **Tingley, M.W.**, & Newmark, W.D. (2023). The combined effects of temperature and fragment area on the demographic rates of an Afrotropical bird community over 34 years. *Biological Conservation*, 282,110051.
89. Grames\*, E.M., Montgomery\*, G.A., Youngflesh, C., **Tingley, M.W.**, & Elphick§, C.S. (2023). The effect of insect food availability on songbird reproductive success and chick body condition: Evidence from a systematic review and meta-analysis. *Ecology Letters*, 26, 658-673.
88. Neate-Clegg, M.H.C., & **Tingley, M.W.** (2023). Building a mechanistic understanding of climate-driven elevational shifts in birds. *PLOS Climate*, 2, e0000174.
87. **Tingley, M.W.**, Montgomery\*, G.A., Wilkerson, R.L., Cluck, D.R., Sawyer, S.C., & Siegel, R.B. (2023). Multi-trophic occupancy modeling connects temporal dynamics of woodpeckers and beetle sign following fire. *PLOS ONE*, 18, e0281687.
86. Stillman\*, A.N., Wilkerson, R.L., Kaschube, D..R, Siegel, R.B., Sawyer, S..C, & **Tingley§, M.W.** (2023). Incorporating pyrodiversity into wildlife habitat assessments for rapid post-fire management: A woodpecker case study. *Ecological Applications*, 33, e2853.
85. Dimson\*, M., Fortini, L.B., **Tingley, M.W.**, & Gillespie§, T.W. (2023). Citizen science can complement professional invasive plant surveys and improve estimates of suitable habitat. *Diversity and Distributions*, 29, 1141–1156.
84. Tonelli\*, B.A., Youngflesh, C., & **Tingley§, M.W.** (2023). Geomagnetic disturbance associated with increased vagrancy in migratory landbirds. *Scientific Reports* 13, 414.
83. Neate-Clegg, M.H.C., & **Tingley, M.W.** (2022). Adult male birds advance spring migratory phenology faster than females and juveniles across North America. *Global Change Biology*, 29, 341–354.
82. Youngflesh, C., Saracco, J.F., Siegel, R.B., & **Tingley§, M.W.** (2022). Abiotic conditions shape spatial and temporal morphological variation in North American birds. *Nature Ecology & Evolution*, 6, 1860–1870.
81. Pendleton, D.E., **Tingley, M.W.**, Ganley, L.C., Friedland, K.D., Mayo, C., Brown, M.W., McKenna, B.E., Jordaan, A., & Staudinger, M.D. (2022). Decadal-scale phenology and seasonal climate drivers of migratory baleen whales in a rapidly warming marine ecosystem. *Global Change Biology*, 28, 4989–5005.
80. Shuman, J.K., Balch, J.K., Barnes, R.T., Higuera, P.E., Roos, C.I., Schwilk, D.W., Stavros, E.N., Banerjee, T., Bela, M.M., Bendix, J., [69 additional authors], **Tingley, M. W.**, Tohidi, A., Trugman, A. T., Turetsky, M., Varner, J. M., Wang, Y., Whitman, T., Yelenik, S., & Zhang, X. (2022). Reimagine fire science for the anthropocene. *PNAS Nexus*, 1, pgac115.
79. Sandor\*, M.E., Elphick, C.S., & **Tingley§, M.W.** (2022). Extinction of biotic interactions due to habitat loss could accelerate the current biodiversity crisis. *Ecological Applications*, 32, e2608.
78. Grames\*, E.M., Montgomery\*, G.A., Boyes, D.H., Dicks, L.V., Forister, M.L., Matson, T.A., Nakagawa, S., Prendergast, K.S., Taylor, N.G., **Tingley, M.W.**, Wagner, D.L., White, T.E., Woodcock, P., & Elphick, C.S. (2022). A framework and case study to systematically identify long-term insect abundance and diversity datasets. *Conservation Science and Practice*, 4, e12687.

• Featured by *Smithsonian*, Jun 1, 2022

- PUBLICATIONS (CONT.)
77. Ramesh\*, V., Gupte, P.R., **Tingley, M.W.**, Robin, V.V., & Defries, R. (2022). Using citizen science to parse climatic and land cover influences on bird occupancy in a tropical biodiversity hotspot. *Ecography*, 2022, e06075.
  76. Spence\*, A.R., LeWinter, H., & **Tingley§, M.W.** (2022). Anna's hummingbird (*Calypte anna*) physiological response to novel thermal and hypoxic conditions at high elevations. *Journal of Experimental Biology*, 225, jeb243294.
  75. Stillman\*, A.N., Caiafa, M.V., Lorenz, T.J., Justino, M.A., & **Tingley§, M.W.** (2022). DNA metabarcoding reveals broad woodpecker diets in fire-maintained forests. *Ornithology*, 139, ukac009.
  74. Nimmo, D.G., Anderson, A.N., Archibald, S., Boer, M.M., Brotons, L., Parr, C.L., & **Tingley, M.W.** (2022). Fire ecology for the 21st century. *Diversity and Distributions*, 28, 350–356.
  73. Spence\*, A.R., Wilson Rankin, E.E., & **Tingley§, M.W.** (2022). DNA metabarcoding reveals broadly overlapping diets in three sympatric North American hummingbirds. *Ornithology*, 139, ukab074.
  72. Jones, G.M. & **Tingley§, M.W.** (2022). Pyrodiversity and biodiversity: A history, synthesis, and outlook. *Diversity and Distributions*, 28, 386–403.
  71. Terrill, R.S., Dean, C.A., Garrett, J., Maxwell, D.J., Hill, L., Farnsworth, A., Dokter, A.M., & **Tingley§, M.W.** (2021). . *Western Birds*, 52, 322–339.
  70. Stillman\*, A.N., Lorenz, T.J., Siegel, R.B., Wilkerson, R.L., Johnson, M., & **Tingley§, M.W.** (2021). Conditional natal dispersal provides a mechanism for populations tracking resource pulses after fire. *Behavioral Ecology*, 33, 27–36.
  69. Loverin†, J.K., Stillman\*, A.N., Siegel, R.B., Wilkerson, R.L., Johnson, M., & **Tingley§, M.W.** (2021). Nestling provisioning behavior of Black-backed Woodpeckers in post-fire forest. *Journal of Field Ornithology*, 92, 273–283.
  68. Zhou, Y., **Tingley, M.W.**, Case, M.F., Coetsee, C., Kiker, G.A., Scholtz, S., Venter, F.J., & Staver§, A.C. (2021). Woody encroachment happens via intensification, not extensification, of species ranges in an African savanna. *Ecological Applications*, 31, e02437.
  67. Burgio\*, K.R., Carlson, C.J., Bond, A.L., Rubega, M.A., & **Tingley§, M.W.** (2021). The two extinctions of the Carolina Parakeet *Conuropsis carolinensis*. *Bird Conservation International*, 1–8.
  66. Youngflesh, C., Socolar, J., Amaral\*, B.R., Arab, A., Guralnick, R.P., Hurlbert, A.H., LaFrance, R., Mayor, S.J., Miller, D.A.W., & **Tingley§, M.W.** (2021). Migratory strategy drives species-level variation in bird sensitivity to vegetation green-up. *Nature Ecology & Evolution*, 5, 987–994.
  65. Spence\*, A.R., & **Tingley, M.W.** (2021). Body size and environment influence both intraspecific and interspecific variation in daily torpor use across hummingbirds. *Functional Ecology*, 35, 870–883.
  64. Montaña-Centellas\*, F.A., Loiselle, B.A., & **Tingley§, M.W.** (2021). Ecological drivers of avian community assembly along a tropical elevation gradient. *Ecography*, 44, 574–588.

PUBLICATIONS  
(CONT.)

63. Stillman\*, A.N., Lorenz, T.J., Fischer, P.C., Siegel, R.B., Wilkerson, R.L., Johnson, M., & **Tingley**§, **M.W.** (2021). Juvenile survival of a burned forest specialist in response to variation in fire characteristics. *Journal of Animal Ecology*, *90*, 1317–1327.
62. Rollinson, C.R., Finley, A.O., Alexander, M.R., Banerjee, S., Dixon Hamil, K.-A., Koenig, L.E., Locke, D.H., DeMarche, M., **Tingley**, **M.W.**, Wheeler, K., Youngflesh, C., & Zipkin, E.F. 2021. Working across space and time: nonstationarity in ecological research and application. *Frontiers in Ecology and the Environment*, *19*, 66–72.
61. Zipkin, E.F., Zylstra, E.R., Wright, A.D., Saunders, S.P., Finley, A.O., Dietze, M.C., Itter, M.S., & **Tingley**§, **M.W.** (2021). Addressing data integration challenges to link ecological processes across scales. *Frontiers in Ecology and the Environment*, *19*, 30–38.
60. Steen, V.A., **Tingley**, **M.W.**, Paton, P.W.C., & Elphick, C.S. (2021). Spatial thinning and class balancing: Key choices lead to variation in the performance of species distribution models with citizen science data. *Methods in Ecology and Evolution*, *12*, 216–226.
59. Herder\*, E.A., Spence\*, A.R., **Tingley**, **M.W.**, & Hird, S.M. (2021). Elevation correlates with significant changes in relative abundance in hummingbird fecal microbiota, but composition changes little. *Frontiers in Ecology and Evolution*, *8*, 534.
58. Montgomery\*, G.A., Belitz\*, M.W., Guralnick, R.P., & **Tingley**§, **M.W.** (2021). Standards and best practices for monitoring and benchmarking insects. *Frontiers in Ecology and Evolution*, *8*, 513.
57. Wells\*, H.L., Letko, M., Lasso, G., Ssebide, B., Nziza, J., Byarugaba, D.K., Navarrete-Macias, I., Liang, E., Cranfield, M., Han, B.A., **Tingley**, **M.W.**, Diuk-Wasser, M., Goldstein, T., Kreuder Johnson, C., Mazet, J.A.K., Chandran, K., Munster, V.J., Gilardi, K., & Anthony§, S.A. (2021). The evolutionary history of ACE2 usage within the coronavirus subgenus *Sarbecovirus*. *Virus Evolution*, *7*, veab007.
56. Bressler\*, S.A., Diamant, E.S., **Tingley**, **M.W.**, & Yeh§, P.J. (2020). Nests in the cities: adaptive and non-adaptive phenotypic plasticity and convergence in an urban bird. *Proceedings of the Royal Society B*, *287*, 20202122.
55. Kelly, L.T., Giljohann, K.M., Duane, A., Aquilué, N., Archibald, S., Batllori, E., Bennett, A.F., Buckland, S.T., Canelles, Q., Clarke, M.C., Fortin, M.-J., Hermoso, V., Herrando, S., Keane, R.E., Lake, F.K., McCarthy, M.A., Morán-Ordóñez, A., Parr, C.L., Pausas, J.G., Penman, T.D., Regos, A., Rumpff, L., Santos, J.L., Smith, A.L., Syphard, A.D., **Tingley**, **M.W.**, & Brotons§, L. (2020). Fire and biodiversity in the Anthropocene. *Science*, *370*.
54. Spence\*, A.R., & **Tingley**, **M.W.** (2020). The challenge of novel abiotic conditions for species undergoing climate-induced range shifts. *Ecography*, *43*, 1571–1590.
53. **Tingley**, **M.W.**, Nadeau\*, C.P., & Sandor\*, M.E. (2020). Multi-species occupancy models as robust estimators of community richness. *Methods in Ecology and Evolution*, *11*, 633–642.
52. Kass\*, J.M., **Tingley**, **M.W.**, Tetsuya, T., & Koike, F. (2020). Co-occurrence of invasive and native carnivorans affects occupancy patterns across environmental gradients. *Biological Invasions*, *22*, 2251–2266.
51. Cole, J.S., Siegel, R.B., Loffland, H.L., Elsey, E.A., **Tingley**, **M.W.** & Johnson, M. (2020). Plant selection by bumble bees (Hymenoptera: Apidae) in montane riparian habitat of California. *Environmental Entomology*, *49*, 220–229.

PUBLICATIONS  
(CONT.)

50. **Tingley, M.W.**, Stillman\*, A.N., Wilkerson, R.L., Sawyer, S.C., & Siegel, R.B. (2020). Black-backed woodpecker occupancy in burned and beetle-killed forests: Disturbance agent matters. *Forest Ecology and Management*, *445*, 117694.
49. Montgomery\*, G.A, Dunn, R.R., Fox, R., Jongejans, E., Leather, S.R., Saunders, M.E., Shortall, C.R., **Tingley, M.W.**, & Wagner, D.L. (2020). Is the insect apocalypse upon us? How to find out. *Biological Conservation*, *241*, 108327.
48. Macklem\*, D.C., Helton, A.M., **Tingley, M.W.**, Dickson, J.M., & Rittenhouse§, T.A.G. (2020). Stream salamander persistence influenced by the interaction between exurban housing age and development. *Urban Ecosystems*, *23*, 117–132.
47. Steen, V.A., Elphick, C.S., & **Tingley§, M.W.** (2019). An evaluation of stringent filtering to improve species distribution models from citizen science data. *Diversity and Distributions*, *25*, 1857–1869.
46. Stillman\*, A.N., Siegel, R.B., Wilkerson, R.L., Johnson, M., Howell, C.A., & **Tingley§, M.W.** (2019). Nest site selection and nest survival of Black-backed Woodpeckers after wildfire. *Condor: Ornithological Applications*, *121*, duz039.
- Featured by *National Geographic*, Aug 12, 2019
  - Featured by *Newsweek*, Aug 12, 2019
45. Grames\*, E.M., Stillman\*, A.N., **Tingley, M.W.**, & Elphick§, C.S. (2019). An automated approach to identifying search terms for systematic reviews using keyword co-occurrence networks. *Methods in Ecology and Evolution*, *10*, 1645–1654.
44. Cole, J.S., Siegel, R.B., Loffland, H.L., **Tingley, M.W.**, Elsey, E.A., & Johnson, M. (2019). Explaining the birds and the bees: deriving habitat restoration targets from multi-species occupancy models. *Ecosphere*, *10*, e02718.
43. Russo†, N.J., Elphick, C.S., Havill, N.P., & **Tingley§, M.W.** (2019). Spring bird migration as a dispersal mechanism for the hemlock woolly adelgid. *Biological Invasions*, *21*, 1585–1599.
- Featured by *Audubon*, Feb 20, 2019
42. Siegel, R.B., Eyes, S.A., **Tingley, M.W.**, Wu, J.X., Stock, S.L., Medley, J.R., Kalinowski, R.S., Casas, A., Lima-Baumbach, M., & Rich, A.C. (2019). Short-term resilience of Great Gray Owls to a megafire in California, USA. *Condor: Ornithological Applications*, *121*, 1–13.
41. Stillman\*, A.N., Siegel, R.B., Wilkerson, R.L., Johnson, M., & **Tingley§, M.W.** (2019). Age-dependent habitat relationships of a burned-forest specialist emphasise the role of pyrodiversity in fire management. *Journal of Applied Ecology*, *56*, 880–890.
40. Cheng, W., Kendrick, R.C., Guo, F., Xing, S., **Tingley, M.W.**, & Bonebrake, T.C. (2018). Complex elevational shifts in a tropical lowland moth community following a decade of climate change. *Diversity and Distributions*, *25*, 514–523.
39. **Tingley, M.W.**, Stillman\*, A.N., Wilkerson, R.L., Howell, C.A., Sawyer, S.C., & Siegel, R.B. (2018). Cross-scale occupancy dynamics of a postfire specialist in response to variation across a fire regime. *Journal of Animal Ecology*, *87*, 1484–1496.
38. Si, X., Cadotte, M.W., Zhao, Y., Zhou, H., Zeng, D., Li, J., Jin, T., Ren, P., Wang, Y., Ding, P., & **Tingley§, M.W.** (2018). The importance of accounting for imperfect detection when estimating functional and phylogenetic community structure. *Ecology*, *99*, 2103–2112.

- PUBLICATIONS (CONT.)
37. Parker, T.H., Griffith, S.C., Brontsein, J.L., Fidler, F., Foster, S., Fraser, H., Forstmeier, W., Gurevitch, J., Koricheva, J., Seppelt, R., **Tingley, M.W.**, & Nakagawa, S. (2018). Empowering peer reviewers with a checklist to improve transparency. *Nature Ecology & Evolution*, 2, 929–935.
  36. La Sorte, F.A., Lepczyk, C.A., Burnett, J.L., Hurlbert, A.H., **Tingley, M.W.**, & Zuckerberg, B. (2018). Opportunities and challenges for big data ornithology. *Condor: Ornithological Applications*, 120, 414–426.
  35. Srinivasan, U., Elsen, P.R., **Tingley, M.W.**, & Wilcove, D.S. (2018). Temperature and competition interact to structure Himalayan bird communities. *Proceedings of the Royal Society B*, 285, 20172593.
  34. Newman, E.A., Potts, J.B., **Tingley, M.W.**, Vaughn, C. & Stephens, S.L. (2018). Chaparral bird community responses to prescribed fire and shrub removal in three management seasons. *Journal of Applied Ecology*, 55, 1615–1625.
  33. Socolar, J.B., Epanchin, P.N., Beissinger, S.R., & **Tingley, M.W.** (2017). Phenological shifts conserve thermal niches in North American birds and reshape expectations for climate-driven range shifts. *Proceedings of the National Academy of Sciences*, 114, 12976–12981.
    - Featured by *New York Times*, July 30, 2018
    - Featured by *Mother Jones*, Dec 7, 2017
    - Featured by *Audubon*, Nov 15, 2017
  32. Batt, R.D., Morley, J.W., Selden, R.L., **Tingley, M.W.**, & Pinsky, M.L. (2017). Gradual changes in range size accompany long-term trends in species richness. *Ecology Letters*, 20, 1148–1157.
  31. Burgio\*, K.R., Carlson, C.J., & **Tingley, M.W.** (2017). Lazarus ecology: Recovering the distribution and migratory patterns of the extinct Carolina parakeet. *Ecology and Evolution*, 7, 5467–5475.
  30. Loffland, H.L., Polasik, J.S., **Tingley, M.W.**, Elsey, E., Loffland, C., LeBuhn, G., Siegel§, R.B. (2017). Bumble bee use of post-fire chaparral in the central Sierra Nevada. *Journal of Wildlife Management*, 81, 1084–1097.
  29. O'Connor\*, K.M., Nathan\*, L.R., Liberati\*, M.R., **Tingley, M.W.**, Vokoun, J.C., & Rittenhouse, T.A.G. (2017). Camera trap arrays improve detection probability of wildlife: Investigating study design considerations using an empirical dataset. *PLOS One*, 12, e0175684.
  28. Mayor, S.J, Guralnick, R.P., **Tingley, M.W.**, Otegui, J., Withey, J.C., Elmendorf, S.C., Andrew, M.E., Leyk, S., Pearse, I.S., & Schneider, D.C. (2017). Increasing asynchrony between arrival of migratory birds and spring green-up. *Scientific Reports*, 7, 1902.
    - Featured by *Washington Post*, May 16, 2016
    - Featured by *Audubon*, May 16, 2016
  27. Elsen\*, P.R., **Tingley, M.W.**, Kalyanaraman, R, Ramesh, K, & Wilcove, D.S. (2017). The role of competition, ecotones, and temperature in the elevational distribution of Himalayan birds. *Ecology*, 98, 337–348.
  26. **Tingley, M.W.**, Ruiz-Gutierrez, V., Wilkerson, R., Howell, C., & Siegel, R. (2016). Pyrodiversity promotes avian diversity over the decade following forest fire. *Proceedings of the Royal Society of London B: Biological Sciences*, 283, 20161703.
    - Perspective by Kelly and Brotons, *Science* 2017
    - Featured by *Los Angeles Times*, Oct 10, 2016



PUBLICATIONS  
(CONT.)

25. Russo†, N.J., Cheah, C.S.-J., & **Tingley§, M.W.** (2016). Experimental Evidence for branch-to-bird transfer as a mechanism for avian dispersal of the hemlock woolly adelgid (Hemiptera: Adelgidae). *Environmental Entomology*, 5, 1107–1114.
24. Harris, J.B.C., **Tingley, M.W.**, Hua, F., Yong, D.L., Adeney, J.M., Lee, T.M., et al. (6 additional). (2017). Measuring the impact of the pet trade on Indonesian birds. *Conservation Biology*, 31, 394–405.
23. **Tingley, M.W.**, Wilkerson, R.L., Howell, C.A., & Siegel§, R.B. (2016). An integrated occupancy and space-use model to predict abundance of imperfectly detected, territorial vertebrates. *Methods in Ecology and Evolution*, 7, 508–518.
22. Siegel, R.B., **Tingley, M.W.**, Wilkerson, R.L., Howell, C.A., Johnson, M. & Pyle, P. (2016). Age structure of Black-backed Woodpecker populations in burned forests. *The Auk: Ornithological Advances*, 133, 69–78.
21. Elsen\*, P.R., & **Tingley, M.W.** (2015). Global mountain topography and the fate of montane species under climate change. *Nature Climate Change*, 5, 772–776.
  - Featured by *Washington Post*, May 18, 2015
  - Featured by *NPR*, June 26, 2015
20. Wu, J. X., Siegel, R.B., Loffland, H.L., **Tingley, M.W.**, Stock, S.L., Roberts, K.N., et al. (4 additional). (2015). Diversity of great gray owl nest sites and nesting habitats in California. *Journal of Wildlife Management*, 79, 937–947.
19. Rowe, K.C., Rowe, K.M.C., **Tingley, M.W.**, Koo, M.S., Patton, J.L., Conroy, C.J., et al. (3 additional). (2015). Spatially heterogeneous impact of climate change on small mammals of montane California. *Proceedings of the Royal Society of London B: Biological Sciences*, 282, 20141857.
18. **Tingley, M.W.**, Wilkerson, R.L., Bond, M.L., Howell, C.A., & Siegel§, R.B. (2014). Variation in home-range size of Black-backed Woodpeckers. *Condor*, 116, 325–340.
17. McGrann, M.C., **Tingley, M.W.**, Thorne, J.H., Elliott-Fisk, D.L., & McGrann, A.M. (2014). Heterogeneity in avian richness-environment relationships along the Pacific Crest Trail. *Avian Conservation and Ecology – Écologie et Conservation des Oiseaux*, 9, art8.
16. **Tingley, M.W.**, Darling, E.S., & Wilcove, D.S. (2014). Fine- and coarse-filter conservation strategies in a time of climate change. *Annals of the New York Academy of Sciences*, 1322, 92–109.
15. Souther, S., **Tingley, M.W.**, Popescu, V.D., Hayman, D.T., Ryan, M.E., Graves, T.A., Hartl, B., & Terrell, K. (2014). Biotic impacts of energy development from shale: research priorities and knowledge gaps. *Frontiers in Ecology and the Environment*, 12, 330–338.
  - Featured by *Smithsonian*, Aug 1, 2014
14. Iknayan\*, K.J., **Tingley, M.W.**, Furnas, B.J., & Beissinger, S.R. (2014). Detecting diversity: emerging methods to estimate species diversity. *Trends in Ecology and Evolution*, 29, 97–106.
  - F1000 Recommended
13. Siegel, R.B., Wilkerson, R.L., **Tingley, M.W.**, & Howell, C.A. (2014). Roost sites of the Black-backed Woodpecker in burned forest. *Western Birds*, 45, 296–303.
12. La Sorte, F.A., **Tingley, M.W.**, & Hurlbert, A.H. (2014). The role of urban and agricultural areas during avian migration: an assessment of within-year temporal turnover. *Global Ecology and Biogeography*, 23, 1225–1234.

- PUBLICATIONS (CONT.)
11. Siegel, R.B., Pyle, P., Thorne, J.H., Holguin, A.J., Howell, C.A., Stock, S., & **Tingley, M.W.** (2014). Vulnerability of birds to climate change in California's Sierra Nevada. *Avian Conservation and Ecology – Écologie Et Conservation Des Oiseaux*, 9, 7.
  10. Kurz†, D.J., Nowakowski, A.J., **Tingley, M.W.**, Donnelly, M.A., & Wilcove, D.S. (2014). Forest-land use complementarity modifies community structure of a tropical herpetofauna. *Biological Conservation*, 170, 246–255.
  9. **Tingley, M.W.**, Estes, L.D., & Wilcove§, D.S. (2013). Ecosystems: Climate change must not blow conservation off course. *Nature*, 500, 271–272.
  8. Bond, M.L., Lee, D.E., Siegel, R.B., & **Tingley, M.W.** (2013). Diet and home-range size of California Spotted Owls in a burned forest. *Western Birds*, 44, 114–126.
  7. **Tingley, M.W.**, & Beissinger, S.R. (2013). Cryptic loss of montane avian richness and high community turnover over 100 years. *Ecology*, 94, 598–609.
  6. **Tingley, M.W.**, Koo, M.S., Moritz, C., Rush, A.C., & Beissinger§, S.R. (2012). The push and pull of climate change causes heterogeneous shifts in avian elevational ranges. *Global Change Biology*, 18, 3279–3290.
  5. Monahan, W.B., & **Tingley, M.W.** (2012). Niche tracking and rapid establishment of distributional equilibrium in the House Sparrow show potential responsiveness of species to climate change. *PLOS One*, 7, e42097.
  4. Shultz†, A.J., **Tingley, M.W.**, & Bowie, R.C.K. (2012). A century of avian community turnover in an urban green space in northern California. *Condor*, 114, 258–267.
  3. **Tingley, M.W.**, Monahan, W.B., Beissinger, S.R., & Moritz, C. (2009). Birds track their Grinnellian niche through a century of climate change. *Proceedings of the National Academy of Sciences*, 106, 19637–19643.
    - F1000 Recommended
  2. **Tingley, M.W.**, & Beissinger, S.R. (2009). Detecting range shifts from historical species occurrences: new perspectives on old data. *Trends in Ecology and Evolution*, 24, 625–633.
  1. **Tingley, M.W.**, Orwig, D.A., Field, R., & Motzkin, G. (2002). Avian response to removal of a forest dominant: consequences of hemlock woolly adelgid infestations. *Journal of Biogeography*, 29, 1505–1516.
- BOOK CHAPTERS
- B2. **Tingley, M.W.** (2017). Turning Oranges into Apples: Using detectability correction and bias heuristics to compare imperfectly repeated observations. Pp. 215–233 in (Shavit, A. and A.M. Ellison, eds.) *Stepping in the Same River Twice: Replication in Biological Research*. Yale University Press. ISBN: 9780300209549.
- OTHER PUBLICATIONS
- B1. **Tingley, M.W.** (2015). Historical Data on Species Occurrence: Bridging the Past to the Future. Pp. 197–212 in (Root, T.L., K.R. Hall, M.P. Herzog, and C.A. Howell, eds.) *Biodiversity in a Changing Climate: Linking Science and Management in Conservation*. University of California Press. ISBN: 9780520286719.
  - O1. **Tingley, M.W.**, Harris, J.B., Hua, F., Wilcove, D.S., & Yong, D.L. (2017). Letter: The Pet trade's role in defaunation. *Science*, 356, 916.

## SERVICE

*Senior Position in Professional Organization*

2024–2026	President-Elect, American Ornithological Society
2020–2023	Elected Council, American Ornithological Society
2015–2017	Board of Governors, Cooper Ornithological Society
2016–2017	Transition Board, Cooper Ornithological Society

*Editorships*

2014–present	Subject Editor, <i>Ecography</i>
2023–present	Associate Editor, <i>Ornithology</i>
2020–2021	Guest Editor, Special Issue, <i>Diversity and Distributions</i>
2013–2020	Editorial Board, <i>Studies in Avian Biology</i>

*Other Position in Professional Organization*

2022–2023	Strategic Planning Committee, American Ornithological Society
2021–present	Biodiversity Expert Council, Los Angeles Sanitation (LASAN)
2018–present	Bird Technical Working Group, National Ecological Observatory Network (NEON)
2017–2022	Student Awards Co-Chair, American Ornithological Society
2020–2021	Social Media Committee Chair, American Ornithological Society
2019–2020	Treasurer, Rainbow Lorikeets (AOS & NOGLSTP Caucus)

*Conference Organization and Service*

2023	Organizing and Scientific Steering Committee, Species on the Move 2023 conference
2022	Organizing Committee, AOS-BC 2022 Conference
2020	Symposium co-organizer, North American Ornith. Congress
2019	Symposium co-organizer, Northeast Natural History Conference
2019	Organizing and Scientific Steering Committee, Species on the Move 2019 conference
2017	Symposium co-organizer and moderator, ESA conference
2016	Student mentor and judge, North American Ornith. Congress
2016	Workshop committee, North American Ornithological Congress
2015–2021	Abstract reviewer and student mentor, Student Conference on Conservation Science
2015	Symposium co-organizer and moderator, International Congress for Conservation Biology
2015	Round-table co-organizer and co-moderator, International Congress for Conservation Biology
2014	Symposium co-organizer and moderator, ESA conference
2014	Student judging, Ecological Society of America annual conference
2014	Scientific committee, N. Am. Congress for Conservation Biology

*Ad Hoc Journal Peer-review (avg. 19 articles reviewed per year for 54 journals since 2014), including:* Biological Conservation, Conservation Biology, Diversity & Distributions, Ecological Applications, Ecology, Ecology Letters, Global Change Biology, Journal of Animal Ecology, Journal of Applied Ecology, Journal of Avian Biology, Journal of Biogeography, Journal of Wildlife Management, Methods in Ecology & Evolution, Molecular Ecology, Nature, Nature Climate Change, Nature Communications, Nature Ecology & Evolution, Ornithology, Ornithological Applications, PLOS One, Proceedings of the National Academy of Sciences, Proceedings Royal Society-B, Science, Science Advances, Scientific Reports, Trends in Ecology and Evolution

SERVICE  
(CONT.)

*Granting Agencies Panel Review*

2023 NSF, Building Research Capacity of New Faculty in Biology  
2021 NSF, Population & Community Ecology

*Granting Agencies External Review*

US National Science Foundation (DEB: 2012, 2013, 2017, 2020; EF: 2017), German National Science Foundation (2021, 2022), American Philosophical Society (2021), Swiss National Science Foundation (2019), Austrian National Science Foundation (2015), National Geographic Society (2011, 2015, 2016, 2022, 2023), National Environmental Research Council UK (2017, 2020), Earthwatch (2016).

*UCLA*

2021–present Faculty mentor, Queer and Trans in STEM (QTSTEM)

*Department of Ecology and Evolutionary Biology, UCLA*

2022–present Vice Chair for Graduate Studies  
2022–present Chair, Graduate Curriculum Committee  
2022–2023 Member, Population Biology Search Committee  
2021–present Chair, Graduate Admissions Committee  
2021–2022 Member, Promotion and Tenure Committee  
2021–2022 Website Advisor  
2020–2021 Chair, Mentor Professor Ad Hoc Search Committee  
2020–2021 Member, Graduate Admissions Committee

*University of Connecticut*

2018–2019 Committee, CLAS Council on Diversity, Equity, and Inclusion  
2015–2019 Faculty advisor, Out in Science, Technology, Engineering and Mathematics (STEM)  
2015–2017 Board member, Center for Conservation and Biodiversity

*Department of Ecology and Evolutionary Biology, UCONN*

2019 Departmental Climate Committee  
2017–2019 Undergraduate Education Committee  
2016–2017 Chair of Seminar series  
2016–2017 Co-organizer, Undergraduate Research Symposium  
2016 Co-organizer, All-Biology Undergraduate Research Symposium  
2015–2019 Graduate Research Awards Committee  
2015–2016 Search Committee (Ecology or Evolution of Arthropods)

## TEACHING

## UCLA

2023	EEB 250	Professional Skills for Biological Research (lecture + discussion) <i>Mean overall instructor rating: 8.8/9.0</i>
2022	EEB 297	The Academic Job Search (seminar) <i>Mean overall instructor rating: 9.0/9.0</i>
	EEB 297	Biodiversity in the Pyrocene (seminar) <i>Mean overall instructor rating: 8.8/9.0</i>
	LS 40	Statistics of Biological Systems (lecture + lab) <i>Mean overall instructor rating: 8.4/9.0</i>
2021	EEB 297	Theory and Practice of Peer Review (seminar) <i>Mean overall instructor rating: 9.0/9.0</i>
	LS 40	Statistics of Biological Systems (lecture + lab) <i>Mean overall instructor rating: 8.5/9.0</i>
2020	LS 40	Statistics of Biological Systems (lecture + lab) <i>Mean overall instructor rating: 8.5/9.0</i>
	EEB 297	Detection, Occurrence, and Abundance (seminar) <i>Mean overall instructor rating: 9.0/9.0</i>

## University of Connecticut

2019	EEB 4230W	Methods of Ecology (lecture + lab) <i>Median instructor rating: 5.0/5.0</i>
2018	EEB 4230W	Methods of Ecology (lecture + lab) <i>Median instructor rating: 5.0/5.0</i>
	EEB 5050	Fundamentals of Ecological Modeling (lecture + lab) <i>Median instructor rating: 5.0/5.0</i>
2017	EEB 4230W	Methods of Ecology (lecture + lab) <i>Median instructor rating: 5.0/5.0</i>
	EEB 5894	Theory & Practice of Peer Review (seminar) <i>Median instructor rating: 5.0/5.0</i>
	EEB 4896W	Senior Thesis Research
2016	EEB 4230W	Methods of Ecology (lecture + lab) <i>Median instructor rating: 5.0/5.0</i>
2016	EEB 5894	Fundamentals of Ecological Modeling (lecture + lab) <i>Median instructor rating: 4.0/5.0</i>
2015	EEB 4230W	Methods of Ecology (lecture + lab) <i>Median instructor rating: 5.0/5.0</i>
	EEB 5894	Detection, Occurrence, and Abundance (seminar) <i>Median instructor rating: 5.0/5.0</i>
2014	EEB 4230W	Methods of Ecology (lecture + lab) <i>Median instructor rating: 4.0/5.0</i>

**Postdoctoral Researchers**

Kendall Calhoun, *Advisor*, UCLA, 2023–present  
 Olivia Sanderfoot, *Advisor*, UCLA, 2022–present  
 Montague Neate-Clegg, *Advisor*, UCLA, 2021–present  
 Sam Merker, *Co-Advisor*, University of Connecticut, 2021–present  
 Casey Youngflesh, *Advisor*, UCLA, 2018–2022  
 Valerie Steen, *Co-Advisor*, University of Connecticut, 2017–2019  
 Jacob Socolar, *Advisor*, University of Connecticut, 2016–2018

**Doctoral Students**

Kelsey Reckling, *Dissertation Advisor*, UCLA, 2023–present  
 Chris Sayers, *Dissertation Advisor*, UCLA, 2022–present  
 Joanna Wu, *Dissertation Advisor*, UCLA, 2021–present  
 Ben Tonelli, *Dissertation Advisor*, UCLA, 2020–present  
 Graham Montgomery, *Dissertation Advisor*, UCLA, 2019–present  
 Andrew Stillman, *Dissertation Advisor*, University of Connecticut, 2015–2021  
 Austin Spence, *Dissertation Advisor*, University of Connecticut, 2015–2021  
 Manette Sandor, *Dissertation Co-Advisor*, University of Connecticut, 2014–2018

Adam Eichenwald, *External Examiner*, Tufts University, 2023  
 Berenice Badillo, *Dissertation Committee*, UCLA, 2023–present  
 Carissa Deranek, *Guidance Committee*, UCLA, 2022–present  
 Lauren Glevanik, *Guidance Committee*, UCLA, 2022–present  
 Eddie Pérochon, *Dissertation Committee*, University of Lausanne, 2022–present  
 Janine Fischer, *Dissertation Committee*, UCLA, 2022–present  
 Ana Carolina Gomez, *Dissertation Committee*, UCLA, 2022–present  
 Janine Fischer, *Dissertation Committee*, UCLA, 2022–present  
 Michael Franklin, *External Examiner*, University of Wollongong, 2022  
 Madeleine Siegel, *Dissertation Mentor*, UCLA (IoES D.Env.), 2021–2023  
 Kenji Hayashi, *Dissertation Committee*, UCLA, 2021–present  
 Eliseo Parra, *Guidance Committee*, UCLA, 2021–present  
 Kaija Gahm, *Dissertation Committee*, UCLA, 2021–present  
 Joey Curti, *Dissertation Committee*, UCLA, 2021–present  
 Maddie Zuercher, *Dissertation Committee*, UCLA, 2020–present  
 Monica Dimson, *Dissertation Committee*, UCLA (Geography), 2020–2022  
 Vijay Ramesh, *Dissertation Committee*, Columbia University, 2020–2022  
 Wilmer Amaya-Mejia, *Dissertation Committee*, UCLA, 2020–present  
 Eleanor Diamant, *Dissertation Committee*, UCLA, 2020–2023  
 Mary Van Dyke, *Dissertation Committee*, UCLA, 2020–2023  
 Tara Stehlin, *External Examiner*, University of Alberta, 2020  
 Fengyi Guo, *Dissertation Committee*, Princeton University, 2019–present  
 Heather Wells, *Dissertation Committee*, Columbia University, 2019–2022  
 Malcolm Chu Soh, *External Examiner*, University of Adelaide, 2020  
 Henry Frye, *Dissertation Committee*, University of Connecticut, 2018–2023  
 Rebecca Colby, *Dissertation Committee*, University of Connecticut, 2018–2022  
 Samantha Apgar, *Dissertation Committee*, University of Connecticut, 2017–2023  
 Eliza Grames, *Dissertation Committee*, University of Connecticut, 2016–2021  
 Annette Evans, *Dissertation Committee*, University of Connecticut, 2016–2020  
 Marjorie Liberati, *Dissertation Committee*, University of Connecticut, 2015–2018  
 Chris Nadeau, *Dissertation Committee*, University of Connecticut, 2014–2020

MENTORING  
(CONT.)

Jamie Kass, *Dissertation Committee*, City College of New York, 2014–2018  
Chris Field, *Dissertation Committee*, University of Connecticut, 2013–2016  
Anne-Christine Monnet, *External Examiner*, University Pierre & Marie Curie, 2014

**Masters Students (thesis-based)**

Evelyn Malamut, *Advisor*, UCLA (Bioinformatics), 2021–2022

Jordan Yanowitz, *Committee*, UCLA, 2022–2023

Chloe Nouzille, *Committee*, UCLA, 2020–2022

Mars Walters, *Committee*, UCLA, 2022–2022

Samantha Snowden, *Committee*, UCLA, 2020–2021

Brigette Wright, *Committee*, University of Tasmania, 2020–2022

Madeline Utrecht, *Committee*, UCLA, 2020–2021

Samuel Bressler, *Committee*, UCLA, 2020

Jaleigh Pier, *Committee*, University of Connecticut, 2016–2018

**Masters Students (non-thesis)**

Claire Bailey, *Advisor*, University of Connecticut, 2018–2020

Kathryn Weeks, *Advisor*, University of Connecticut, 2017–2019

Geneveive Nuttall, *Advisor*, University of Connecticut, 2017–2018

Michael Stankov, *Committee*, University of Connecticut, 2017–2018

Tim Pullen, *Committee*, University of Connecticut, 2016–2018

Jean-Luc Plante, *Committee*, University of Connecticut, 2014–2016

Benjamin North *Committee*, University of Connecticut, 2014–2015

**Undergraduate Students (Honors thesis advisees)**

John Loverin, University of Connecticut, 2018–2020

Sadie Rumsey, University of Connecticut, 2015–2019

Nicholas Russo, University of Connecticut, 2014–2018

Genevieve Nuttall, University of Connecticut, 2014–2017

Christian Rivera, Princeton University, 2013–2014

Andrea Chu, Princeton University, 2013–2014

David Kurz, Princeton University, 2012–2013

**Undergraduate Students (Research Assistants – lab and field)**

Amanda Ung, UCLA, 2022–2023

Anna Nihei, UCLA, 2022–2023

Alan Zelin, UCLA, 2020–2023

Sophia Winter, UCLA, 2020–2021

Brooke Rosenberg, UCLA, 2020–2021

Sonia Aronson, UCLA, 2020–2021

William DeMott, University of Connecticut, 2018–2019

Heather Morris, University of Connecticut, 2018–2019

Rachele Spadafore, University of Connecticut, 2018–2019

David Ramirez, University of Connecticut, 2018

Ruby Hayes, University of Connecticut, 2017–2019

Tully Frain, University of Connecticut, 2017–2019

David Mathieu Jr., University of Connecticut, 2017–2018

Helena Ives, University of Connecticut, 2017–2018

Nicole Haghpanah, University of Connecticut, 2016–2017

- MENTORING  
(CONT.)
- Lisa Russo, University of Connecticut, 2017–2017  
 Olivia Tracy, University of Connecticut, 2016–2017  
 Vikas Sarathy, University of Connecticut, 2016–2017  
 Ben Breslau, University of Connecticut, 2016–2016  
 David Hollie, Princeton University, 2012–2013  
 Dan Wait, University of California–Berkeley, 2009  
 Naje Najar, University of California–Berkeley, 2008  
 Paul Newsam, University of California–Berkeley, 2008  
 Teresa Feo, University of California–Berkeley, 2007–2008  
 Felix Ratcliff, University of California–Berkeley, 2007  
 Pascal Title, University of California–Berkeley, 2007  
 Allison Shultz, University of California–Berkeley, 2006–2007
- KEYNOTES &  
PLENARIES
- 2022 *Keynote*: Pathways in Biological Sciences Symposium (UC-San Diego)  
*Keynote*: Western Field Ornithologists (Reno, NV)  
*Keynote*: Queer in EEB Conference (Konstanz, Germany)
- 2021 *Keynote*: Western Field Ornithologists (*virtual*)  
*Plenary*: California Lawyers Association Environmental Law Conference (*virtual*)
- INVITED  
SYMPOSIA
- 2022 American Society of Landscape Architects, *Landscape Architecture & Climate Science Speaker Series* (R. Siegel, organizer)  
 University of Bonn, Museum Koenig, *AMMOD: Automated Biodiversity Monitoring* (W. Wägele, organizer)
- 2021 The Wildlife Society, *Wildfire and Prescribed Fire Effects on Biodiversity in US Forests* (B. Hanberry & A. White, organizers)  
 International Association for Landscape Ecology, *Toward a comprehensive understanding of pyrodiversity* (Z. Steel & J. Miller, organizers)
- 2020 The Wildlife Society, *Wildfire and Prescribed Fire Effects on Wildlife in US Forests* (B. Hanberry, organizer)
- 2019 International Fire Ecology Congress, *A global synthesis of pyrodiversity and biodiversity relationships: implications for effective fire management* (K. Giljohann & L. Kelly, organizers)  
 American Ornithological Society, *Understanding and addressing the collapse of the North American Avifauna* (P. Marra, organizer).  
 American Ornithological Society, *How should I conduct point counts? Matching the appropriate sampling and modeling techniques with your research question* (Q. Latif & J. Valente, organizers).
- 2018 American Ornithological Society, *Bird community turnover and global change along tropical environmental gradients* (D. Karp, organizer).
- 2017 Ecological Society of America, *Advancing conservation ecology through integrative modeling approaches* (E. Zipkin, organizer).  
 American Ornithological Society, *From fungi to fledglings: cavity-nesting bird ecology and conservation across North America* (A. Barry & J. Rivers, organizers).



INVITED  
SYMPOSIA  
(CONT.)

- 2016 North American Ornithological Conference, *Big Data Ornithology* (C. Lepczyk & F. La Sorte, organizers).  
Species On the Move, *Detection and Attribution of Climate Change Impacts* (C. Sorte & T. Bonebrake, organizers).
- 2015 International Congress for Conservation Biology, *Risk, Resilience, and Prioritization: The evolving role of climate change in conservation* (E. Darling & M. Tingley, organizers).
- 2014 Ecological Society of America, *Novel Approaches for Process-Based Species Distribution Models* (M. Evans, organizer).
- 2013 Ecological Society of America, *There and back again: replication standards in long-term research, integrating the field and database perspectives for future management* (A. Shavit & A. Ellison, organizers).
- 2012 North American Ornithological Conference, *Young Professional Award Symposium*.  
University of Michigan, *Early Career Scientists Symposium*.
- 2010 Ecological Society of America, *Predicting the Present from the Past: Using Historic Datasets to Understand and Predict Climate Change Impacts* (S. Dobrowski, organizer).
- 2008 American Ornithologists' Union, *Occupancy estimation and modeling in ecology and conservation biology* (S. Beissinger & J. Nichols, organizers).  
American Academy for the Advancement of Science, *Biological Response to Global Change* (M. Schlaepfer & P. Zaradic, organizers).

INVITED  
SEMINARS

- 2023 Harvey Mudd College, *Biology*.
- 2022 University of California, Davis, *Graduate Program in Ecology*.  
University of Colorado, Denver, *Integrative Biology*.  
University of Konstanz, *Biology*, Germany.  
University of Lausanne, *Ecology and Evolution*, Switzerland.  
Swiss Ornithological Institute, Switzerland.  
Princeton University, *Ecology and Evolutionary Biology*.  
California Polytechnic University, Pomona, *Biological Sciences*.  
Chinese Academy of Sciences, China.
- 2021 University of Wisconsin, Madison, *Forest and Wildlife Ecology*.  
Flinders University (Australia), *Ecology, Evolution and Environment*.  
Iowa State University, *Ecology, Evolution, and Organismal Biology*.  
California Department of Fish and Wildlife, *Conservation Lecture Series*.
- 2020 University of North Carolina – Wilmington, *Roer Speaker, Biology*. (canceled)  
Texas Tech University, *Natural Resources*.  
University of California – Riverside, *Biology*.  
California State University – Long Beach, *Biology*.
- 2019 University of Michigan, *Ecology and Evolutionary Biology*.  
University of California, Los Angeles, *Ecology and Evolutionary Biology*.  
Columbia University, *Ecology, Evolution and Environmental Biology*.
- 2018 Cornell University, *Ecology and Evolutionary Biology*.  
University of California – Irvine, *Ecology and Evolutionary Biology*.  
Boston University, *Biology*.

INVITED SEMINARS (CONT.)		Stony Brook University, <i>Ecology and Evolution</i> .
		Brown University, <i>Ecology and Evolutionary Biology</i> .
	2017	State University of New York at Albany, <i>Biological Sciences</i> .
		University of Tennessee, <i>Ecology and Evolutionary Biology</i> .
		University of Toronto, <i>Ecology and Evolutionary Biology</i> .
		Stonehill College, <i>Biology</i> .
	2016	Oregon State University, <i>Fisheries and Wildlife</i> .
		Michigan State University, <i>Integrative Biology</i> .
		Pennsylvania State University, <i>Ecosystem Science and Management</i> .
		University of Melbourne, Australia, <i>School of Biosciences</i> .
	2015	University of Maine, <i>Biology</i> .
		Trinity College, <i>Biology</i> .
		University of Massachusetts, <i>Organismal and Evolutionary Biology</i> .
	Harvard University, <i>Harvard Forest</i> .	
	Rothschild Foundation, Ramat Hanadiv, Israel.	
	University of Colorado, Boulder, <i>Ecology &amp; Evolutionary Biology</i> .	
	University of Vermont, <i>Evolution &amp; Environmental Biology</i> .	
2014	Museum National d'Histoire Naturelle, Paris, France.	
	Yale University, <i>Center for Spatial Biodiversity Science &amp; Conservation</i> .	
	Rutgers University, <i>Ecology and Evolution</i> .	
2013	Princeton University, <i>Program in Science, Technology and Environment</i> .	
	Royal University of Bhutan, <i>College of Natural Resources</i> .	
2012	University of New Hampshire, <i>Natural Resources &amp; the Environment</i> .	
2010	American Museum of Natural History, <i>Ornithology</i> .	
CONTRIBUTED TALKS (AS PRESENTER ONLY)	2023	Species on the Move Conference.
	2022	American Ornithological Society Conference.
	2020	International Statistical Ecology Conference.
	2019	Wilson Ornithological Society Conference.
	2019	Species on the Move Conference.
	2017	Wilson Ornithological Society Conference.
	2016	International Statistical Ecology Conference.
	2014	North American Congress for Conservation Biology.
	2011	American Ornithologists' Union Conference.
	2010	American Ornithologists' Union Conference.
2009	American Ornithologists' Union Conference.	
2008	Bay Area Conservation Biology Conference.	
PUBLIC LECTURES	2023	San Fernando Valley Audubon Society, Santa Monica, CA.
	2022	Santa Monica Bay Audubon Society, Santa Monica, CA.
	2021	UCLA Bruin Family Experience, Los Angeles, CA.
	2021	Connecticut Ornithological Association, Greenwich, CT.
	2020	Los Angeles Birders Group, Los Angeles, CA.
	2020	Nuttall Ornithological Club, Cambridge, MA.
	2020	Los Angeles Audubon Society, Los Angeles, CA.

PUBLIC LECTURES (CONT.)	2020	Pasadena Audubon Society, Pasadena, CA.
	2019	Center for Learning in Retirement, UConn, CT.
	2019	Farmington Land Trust, Farmington, CT.
	2018	UConn Alumni College, Storrs, CT.
	2017	Audubon Society of Greenwich, Greenwich, CT.
	2016	Hoffman Bird Club, Pittsfield, MA.
	2010	Sierra Foothills Audubon, Grass Valley, CA.
INVITED WORKSHOPS & WORKING GROUPS	2023	Species On the Move Leadership Workshop (lead: G. Pecl, B. Scheffers)
	2022–2026	NSF RCN: Assessment of the Status of Insects (PI: D. Wagner, C. Bahlai, C. Elphick, J. Ware)
	2021	Wildfire and the Biosphere Innovation Lab (lead: Kendra McLauchlan, National Science Foundation)
	2018–2022	NSF RCN: Cross-Scale Processes Impacting Biodiversity (PI: A. Carnaval, J. Cavender-Bares, B. Loiselle, R. Figueiredo)
	2018	Andina IV: Species Range Shifts & Local Adaptation (lead: B. Webber, R. Cousens)
	2017	FSCS: Biodiversity Conservation, Fire Science, and Modelling (lead: L. Brotons, M. McCarthy, L. Kelly)
	2014	Israel Science Foundation Workshop: Replication Uncertainty in the Biological Sciences (lead: A. Shavit, A. Ellison)
	2013	Ecological Society of America Early-Career Workshop: Scaling Up (lead: D. Goldberg, R. Guralnick, J. Franklin, M. Fitzpatrick, K. Suding)
FILM & TELEVISION	2019	<i>Nature</i> , “American Spring LIVE: Connections,” season 37, episode 15. PBS. Role: Advisor
	2019	<i>Nature</i> , “American Spring LIVE: Migration,” season 37, episode 14. PBS. Role: Advisor
	2019	<i>Nature</i> , “American Spring LIVE: Birth and Rebirth,” season 37, episode 13. PBS. Role: Advisor
	2013	<i>A Birder’s Guide to Everything</i> . Director: Rob Meyer. Dreamfly Productions. Role: Ornithological Consultant
PROFESSIONAL MEMBERSHIP	American Ornithological Society ( <i>life member</i> ) Ecological Society of America National Organization of Gay and Lesbian Scientists and Technical Professionals Sigma Xi Society for Conservation Biology ( <i>life member</i> ) The Wildlife Society Wilson Ornithological Society	