

POSITIONS AND APPOINTMENTS

Adelphi University	Assistant Professor	2023–Present
Primary Department: Biology. Affiliated Faculty: Environmental Sciences.		
Am. Museum of Natural History	Research Associate	2020–Present
The Ohio State University	Postdoctoral Researcher	2020–2023

EDUCATION

Richard Gilder Graduate School	Ph.D. Comparative Biology	2016–2020
Dissertation Title: Population Genomics of North American Warm Desert Birds		
Columbia University	M.A. Conservation Biology	2014–2016
Thesis Title: Genetic and behavioral divergence among Northern Cardinal (<i>Cardinalis cardinalis</i>) populations: Testing the permeability of a biogeographic barrier		
Cornell University	B.A. Ecology and Evolutionary Biology	2010–2014

PUBLICATIONS AND MANUSCRIPTS

H-index: 8

Note: * indicates a student that was mentored by K.L.P.

In Review

18. **Provost, K.**, Yang, J.*, Carstens, B. *In review*. Environmental factors and cultural drift influence song evolution in New World Sparrows. Preprint available: *bioRxiv*, doi.org/10.1101/2023.09.01.555954

In Press, Accepted for Publication

17. Ruscitelli, K.*, **Provost, K.** *Accepted*. Evolution in action: Brown-headed Cowbirds (*Molothrus ater*) adapt songs to 50 years of Ohio urbanization. *Wilson Journal of Ornithology*. Preprint available: *bioRxiv*, <https://doi.org/10.1101/2023.11.03.565548>
16. Smith, B., Luzuriaga Neira, A., Alvarez Ponce, D., **Provost, K.**, Thom, G., Joseph, L. *Accepted*. Introgressed variants obscure phylogenetic relationships but evade positive selection in Australasian long-tailed parrots. *Systematic Biology*.

2025

15. Manogaran, H.B., Maruf, M., [...] **Provost, K.** [...], Karpatne, A. 2025. What Do You See in Common? Learning Hierarchical Prototypes over Tree-of-Life to Discover Evolutionary Traits. *ICLR 2025 Conference*. Preprint available: arXiv, arXiv:2409.02335
14. Johnson, R. R., Haight, L. T., Klass, R.*, **Provost, K.** 2025. Canyon Towhee (*Melospiza fusca*), version 2.0. In *Birds of the World* (A. F. Poole and F. B. Gill, Eds). Cornell Lab of Ornithology, Ithaca, NY, USA. <https://doi.org/10.2173/bow.cantow.02>
13. Morrison, E.S., Pandolfi, G.P., Aguilon, S.M., [...] **Provost, K.**, [...] Shultz, A.J. 2025. AvianLexiconAtlas: A database of descriptive categories of English-language bird names around the world. *PLOS ONE* 20(5):e0325890. Preprint available: *bioRxiv*, <https://doi.org/10.1101/2024.09.13.612884>
12. Decker, S, **Provost, K.**, C, B. 2025. Bats of a feather: Range characteristics and wing morphology predict phylogeographic breaks in volant vertebrates. *Frontiers of Biogeography*, 18, e139911. Preprint available: *bioRxiv*, <https://doi.org/10.1101/2024.02.11.579809>

2024

11. Paul, D., Chowdhury, A., [...] **Provost, Kaiya** [...], Chao, W-L. 2024. A Simple Interpretable Transformer for Fine-Grained Image Classification and Analysis. *International Conference on Learning Representations 2024*. Preprint available: *arXiv*, arXiv:2311.04157.

10. Yang, J.*, Carstens, B., **Provost, K.** 2024. Machine learning reveals that climate, geography, and cultural drift all predict bird song variation in coastal *Zonotrichia leucophrys*. *Ornithology*, ukad062.

2023

9. Smith, B., Merwin, J., **Provost, K.**, Thom, G., Brumfield, R., Ferreira, M., Mauck, W., Moyle, R., Wright, T., Joseph, L. 2023. Phylogenomic analysis of the parrots of the world distinguishes artifactual from biological sources of gene tree discordance. *Systematic Biology*, syac055.

2022

8. **Provost, K.**, Yang, J.*, Carstens, B. 2022. The impacts of transfer learning, phylogenetic distance, and sample size on big-data bioacoustics. *PLOS ONE*, 17(12), e0278522.

7. **Provost, K.**, Shue, S.Y.*, Forcellati, M.*, Smith, B. 2022. The genomic landscapes of desert birds are structured by contemporary features. *Molecular Biology and Evolution*, 39(10), msac200.

6. Tobias, J., Sheard, C., Pigot, A., Neate-Clegg, M., [...] **Provost, K.**, [...] Schleuning, M. 2022. AVONET: morphological, ecological and geographical data for all birds. *Ecology Letters*, 25(3), 581-597. **Press:** [UMich](#), [All About Birds](#).

2021

5. Ingala, M., Simmons, N., Wiltsch, C., Krampis, K., **Provost, K.**, Perkins, S. 2021. Molecular diet analysis of neotropical bats based on fecal DNA metabarcoding. *Ecology and Evolution*, 11, 7474-7491.

4. **Provost, K.**, Myers, E., Smith, B. 2021. Community phylogeographic patterns reveal how a barrier filters and structures taxa in North American warm deserts. *Journal of Biogeography*, 48(6), 1267-1283.

2018

3. **Provost, K.**, Mauck, W., Smith, B. 2018. Genomic divergence in allopatric Northern Cardinals of the North American warm deserts is linked to behavioral differentiation. *Ecology and Evolution*, 8(24), 12456-12478. **Press:** [AMNH](#), [Audubon](#), [Gizmodo](#).

2. **Provost, K.**, Smith, B., Joseph, L. 2018. Resolving a phylogenetic hypothesis for parrots: implications from systematics to conservation. *Emu – Austral Ornithology*, 118(1), 7-21. DOI.10.1080/01584197.2017.1387030.

2015

1. **Provost, K.** 2015. Little Nightjar (*Setopagis parvula*), Neotropical Birds Online (T. S. Schulenberg, Ed.). Ithaca: Cornell Lab of Ornithology. Now available at: <https://doi.org/10.2173/bow.litnig1.01>

GRANTS

Total Grants: \$217,933

Adelphi University	Faculty Development Grant F24	\$3,800
National Science Foundation	DEB-2016189, Postdoc Co-PI 2020	\$199,833
Richard Gilder Graduate School	Sydney Anderson Travel Award 2019	\$2,000
AMNH Ornithology	Gormezano Memorial Grant 2018	\$800
Richard Gilder Graduate School	Sydney Anderson Travel Award 2018	\$2,500
Society of Systematic Biologists	Grad Student Research Award 2017	\$1,700
American Ornithological Society	AOS Award 2017	\$2,500
AMNH Ornithology	Gormezano Memorial Grant 2017	\$1,200
American Ornithologists Union	Wetmore Award 2016	\$2,500

IN-PREP PUBLICATIONS

12. Linking plant phenology and bird diversity: A multi-modal study. Nepovinnikh, E.*, Banerji, N.*, Keebler, H.*, Viotti, L.T., **Provost, K.**, Berger-Wolf, T. Rubenstein, D.
11. Bird song variation in Hawaii Big Island kipukas. Beattie, J.*, Banerji, N.*, Nepovinnikh, E.*, Keebler, H.*, Viotti, L.T., Berger-Wolf, T., **Provost, K.**
10. Effect of geospatial factors on bird songs of Hawaii. Keebler, H.*, Viotti, L.T., Beattie, J.*, Banerji, N.*, Nepovinnikh, E.*, Berger-Wolf, T., **Provost, K.**
9. Koa forest restoration and bird diversity: Evaluating ecological recovery in Hawaiian forests. Banerji, N.*, Nepovinnikh, E.*, Beattie, J.*, Keebler, H.*, Viotti, L.T., Berger-Wolf, T., **Provost, K.**, Rubenstein, D.
8. Kiang, S*, **Provost, K.** Effects of railroad tracks on song versatility in *Mimus polyglottos*.
7. Chow, V*, **Provost, K.** Assessing the impact of train-induced noise pollution on vocalization frequency and song type diversity in the Northern Cardinal (*Cardinalis cardinalis*).
6. Fuentes, S.*, **Provost, K.** Ecoregion correlates with bird song variation across North America.
5. Schurr, A.*, **Provost, K.** Intraspecific color variation across desert southwestern birds.
4. Flores, J.*, **Provost, K.** In prep. Sparrows do not change frequency of songs near LIRR train lines.
3. Hong, S*, **Provost, K.** In prep. The Impact of Light Pollution on the Consistency and Frequency of the Birdsong of Common Songbirds in the Americas.
2. **Provost, K.** In prep. subppLabelR: a new R package to automatically label subspecies based on occurrence data.
1. **Provost, K.**, Tenorio, E., Smith, B. In prep. Local adaptation matters for desert birds after divergence across barriers, not before.

PRESS COVERAGE

2025

- [Tweet Success: AI Tunes Into Hawaiian Birdsong for Conservation | Imageomics Institute](#)
- [Bird Flu: Faculty Experts Share Their Knowledge | Adelphi University](#)

2024

- [BioCLIP Team Earns Best Student Paper Award at CVPR 2024 | Imageomics Institute](#)

2022

- [Body measurements for all 11,000 bird species released in open-access database](#)
- [Sizing Up the World's Birds with AVONET.](#)
- [Why Cardinals Rule - Scenic Hudson](#)

2018

- [Is the Northern Cardinal One Species or Many? | AMNH,](#)
- [How Well Do We Really Know Cardinals? | Audubon,](#)
- [The Northern Cardinal Is Actually Multiple Species. Evidence Suggests.](#)

NON-PEER REVIEWED PUBLICATIONS

2021

- [Cows, Creosotes, and Checkerboards | Dispatches from the Field](#)

2014

- [Building Bird Collections. One Bird Sweater At A Time – Guest post by Kaiya Provost | The Drew Lab at Columbia University](#)

FELLOWSHIPS, AWARDS, AND HONORS

Postdoctoral Training

Society of Systematic Biologists

Excellence Award Symposium Winner

2021

Ph.D. Training

N. Am. Ornithological Conference	Student Presentation Honorable Mention	2020
Society of Systematic Biologists	Travel Award	2020
American Ornithological Society	Student Presentation Honorable Mention	2019
Society of Systematic Biologists	Ernst Mayr Symposium Finalist	2019
American Society of Naturalists	Travel Award	2019
American Ornithological Society	Travel Award	2018
Society of Systematic Biologists	Travel Award	2017
Richard Gilder Graduate School	Ph.D. Fellowship	2016–2020

M.A. Training

Columbia University	Alfred Russel Wallace Award	2016
Cooper Ornithological Society	Travel Award	2016

CONFERENCE PRESENTATIONS

Note: * indicates a student that was mentored by K.L.P.

2025

Hong, S*; **Provost, K.** 2025. Light pollution changes song frequency in five suboscines (Family: Tyrannidae). Talk presented at: American Ornithological Society 2025; Aug. 15 2025; St. Louis, MO.

Banerji, N.*, Nepovinnykh, E.*, Beattie, J.*, Keebler, H.*, Viotti, L. T., Navine, A., Hart, P., Berger-Wolf, T., **Provost, K.** 2025. Habitat-Driven Vocal Variation in Hawai'ian Birds. Poster presented at: CVPR 2025 Workshop CV4Animals; Jun. 12 2025; Nashville, TN.

2024

Provost, K. *Sound is an image too! Extracting traits from acoustic data using ML.* Poster presented at: Imageomics All-Hands Meeting; Apr. 17 2024; Columbus, OH.

2023

Provost, K. *The answer to "Why don't you just ask ChatGPT?"* Invited talk presented at: Bird Name-a-Thon Panel, American Ornithological Society and Society of Canadian Ornithologists' Joint Meeting; Aug 11. 2023; London, Ontario, Canada.

Yang, J.*; Carstens, B.; **Provost, K.** *Song, climate, and migration in coastal Zonotrichia leucophrys.* Talk presented at: American Ornithological Society and Society of Canadian Ornithologists' Joint Meeting; Aug. 9 2023; London, Ontario, Canada.

Postdoctoral Training

Smith, B.T.; Thom, G.; **Provost, K.**; Chua, V.; Joseph, L. *Ancient introgression obscures the monophyly of the Australian long-tailed parrots.* Talk presented at: Evolution 2023; June 21 2023; Albuquerque, NM.

Provost, K. *Big-data Bioacoustics: using Deep Learning to understand bird song.* Talk presented at: Ohio Supercomputer Center Statewide Users Group; Apr. 20 2023; Columbus, OH.

Provost, K. *Song evolution in New World Sparrows is highly impacted by spatial factors.* Talk presented at: Central Ohio Phylogeography Extravaganza; Jan. 21 2023; Columbus, OH.

2022

Provost, K.; Yang, J.*; Carstens, B. *Big-data bioacoustics, biogeography, and biases in birds / Uso de Macrodatos en Aves para Bioacústica, Biogeografía, y Sesgos.* Talk presented at: 2022 Joint Conference of AOS and Birds Caribbean; Jun. 30 2022; San Juan, Puerto Rico, USA.

Yang, J.*; **Provost, K.**; Carstens, B. Automatically extracted vocalization data by machine learning model corroborate evidence that two subspecies of the White-crowned Sparrow have divergent songs. Poster presented at: Evolution 2022 Conference; Jun. 25 2022; Cleveland, OH.

2021

Provost, K.; Yang, Jiaying*; Carstens, B. *Big-data bioacoustics, biogeography, and biases in birds*. Talk presented at: 2021 Joint Meeting of the AOS and SCO-SOC; Aug. 9 2021; Virtual.

Ph.D. Training

Provost, K. Society of Systematic Biologists' Excellence Symposium: *Heterogeneity characterizes early diversification across a biogeographic barrier*. Talk presented at: Virtual Evolution 2021; Jun. 24 2021; Virtual. [Video Link](#).

Provost, K.; Shue, S.Y.*; Forcellati, M.*; Smith, B. *Landscape genomics of desert birds reveals that multiple mechanisms cause heterogeneity across chromosomes and species*. Talk presented at: Virtual Stand Alone Conference of The American Society of Naturalists 2021; Jan. 11 2021; Virtual.

2020

Provost, K.; Shue, S.Y.*; Forcellati, M.*; Smith, B. *Landscape genomics of desert birds reveals that multiple mechanisms cause heterogeneity across chromosomes and species*. Talk presented at: North American Ornithological Conference 2020; Aug. 14 2020; Virtual.

Provost, K.; Shue, S.Y.*; Forcellati, M.*; Smith, B. *Environmental impacts structuring genomic and phenotypic variation in desert birds*. Talk presented at: Society of Systematic Biology 2020 Standalone Meeting: Systematics in the Swamp; Jan. 5 2020; Gainesville, FL.

2019

Provost, K. *Environment Wins! Using SDMs to Assess Drivers of Morphological Divergence in Desert Birds*. Talk presented at: New York Regional Species Distribution Modeling Meeting; Dec. 2 2019; New York, NY.

Provost, K.; Shue, S.Y.*; Forcellati, M.*; Smith, B. *Comparative genomics and modes of differentiation in North American warm desert birds*. Talk presented at: American Ornithological Society 137th Stated Meeting; Jun. 26 2019; Anchorage, AK.

2018

Provost, K.; Shue, S.Y.*; Forcellati, M.*; Smith, B. Ernst Mayr Symposium: *Comparative genomics and modes of differentiation in North American warm desert birds*. Talk presented at: Evolution Meeting; Jun. 22 2018; Providence, RI.

Provost, K.; Mauck, W.; Smith, B. *Population genomics of Southwestern Desert Birds*. Talk presented at: American Ornithological Society 136th Stated Meeting; Apr. 13 2018; Tucson, AZ.

Provost, K.; Mauck, W.; Smith, B. *Genomic differentiation in Northern Cardinals of the North American warm deserts is maintained by behavioral isolation*. Talk presented at: Metropolitan Society of Natural Historians Sixth Annual Symposium; Feb. 25 2018; New York, NY.

2017

Provost, K.; Mauck, W.; Smith, B. *Genomic divergence across a barrier is mediated by song dialects*. Poster presented at: Evolution; Jun. 24 2017; Portland, OR.

Provost, K.; Mauck, W.; Smith, B. *Song dialect mediates genomic divergence across a barrier*. Poster presented at: Social Evolution and Genome Complexity Symposium; Mar. 3 2017; New York, NY.

Provost, K.; Mauck, W.; Smith, B. *Testing the permeability of a barrier using integrative phylogeography*. Talk presented at: Society of Systematic Biologists Standalone Meeting; Jan. 10 2017; Baton Rouge, LA.

M.A. Training

2016

Provost, K.; Mauck, W.; Smith, B. *Genetic and behavioral divergence among Northern Cardinal populations: Testing the permeability of a biogeographic barrier*. Talk presented at: North American Ornithological Conference; Aug. 18 2016; Washington, DC.

Provost, K.; Mauck, W.; Smith, B. *Genetic and behavioral divergence in a songbird across a barrier*. Poster presented at: Women in Science at Columbia Graduate Research Symposium;

Apr. 23 2016; New York, NY.

2015

Pian, Rebecca; Gill, Lucy; **Provost, K.**; Wray, Amy; Cracraft, Joel. *The First American Biotic Interchange: finding congruence in fossil and molecular data*. Paper presented at: Society of Vertebrate Paleontology Meeting; Oct. 12-17 2015; Dallas, TX.

TEACHING EXPERIENCE

Instructor of Record

Adelphi University	Professor, Computational Biology	2025
Adelphi University	Professor, Organic Evolution	2023–2025
Adelphi University	Professor, Biology Concepts Lab I and II	2023–2025
Adelphi University	Professor, Topics in Biology	2023–2025
Adelphi University	Professor, Methods in Evolution Lab	2023
The Ohio State University	Instructor, Quantitative Methods Seminar	2023
The Ohio State University	Instructor, Bioacoustics of Ohio	2022
Black Rock Forest	Summer Science Camp, Middle School	2018

Guest Lecturer

The Ohio State University	Experiential Introduction to AI and Ecology	2024–2025
Adelphi University	Guest Lecturer, Graduate Student Seminar	2023
The Ohio State University	Guest Lecturer, (Wild)Life in the City	2022
The Ohio State University	Guest Lecturer, Birds of Ohio	2021–2022
The Spence School	Scientist-in-Residence, 5th Grade	2020

Teaching Assistant

Hunter College, CUNY	Adjunct Professor, Intro to Comp. Sci.	2018
Columbia University	Life Systems/Environmental Biology II	2016
Columbia University	Environmental Biology I	2015–2016
Cornell University	Human Biology and Evolution	
2013–2014		

Mentoring

Adelphi University	Undergraduate mentoring, bioacoustics	2024–2025
Adelphi University	High school mentoring, bioacoustics	2024
The Ohio State University	Undergraduate mentoring, bioacoustics	2020–2023
Am. Museum of Natural History	High school mentoring, morphometrics	2017–2019

STUDENTS MENTORED

Note: * indicates an Adelphi University student that was mentored by K.L.P.

Tanvi Jain*	<i>Crassostrea virginica</i> Metapopulation Modeling in Oyster Bay, Long Island Sound Master's Thesis Committee Member 2026
Sarah Grella*	Are there consistent differences in vocalizations between Endangered and non-endangered species of bird (in New York)? Thesis Advisor 2026
Audrey Cozine*	Optimizing Conservation Efforts: Environmental Predictors of Avian Biodiversity in Urbanized Landscapes Master's Thesis Committee Member 2026
Hikaru Keebler	Effect of geospatial factors on bird songs of Hawaii
Namrata Banerji	Koa forest restoration and bird diversity: Evaluating ecological recovery in Hawaiian forests
Jacob Beattie	Bird song variation in Hawaii Big Island kipukas

Ekaterina Nepovinnikh	Linking plant phenology and bird diversity: A multi-modal study.
Edward Hunter*	Machine learning for birdsong analysis
Julissa Flores*	Sparrows do not change frequency of songs near LIRR train lines
Vivian Chow	Impact of train-Induced noise pollution on the Northern Cardinal
Skylar Kiang	Effects of railroad tracks on song versatility in <i>Mimus polyglottos</i>
Valeria Lopez*	Connotation versus content in the composition of alarm calls in <i>Calidris</i> Capstone Thesis Advisor 2026
Alyssa Rizzuto*	Call frequency similarities between <i>Calidris</i> Honors Thesis Advisor 2026
Shanya Morisseau*	Feathered foragers: Influence area has on bird foraging behavior Capstone Thesis Committee Member 2025
Ryan Klass*	BOW: Systematics of Canyon Towhees
Annmarie Schurr*	Color evolution in desert birds
Shannon Hong	The impact of light pollution on songs in Tyrannid flycatchers Student Research Award: Regeneron STS Top 300 Scholar 2024
Sofia Fuertes	Lark Sparrow song dialects across space and time
Michelle Yusupov*	Terrestrial locomotion of Two-toed Amphiumas Capstone Thesis Committee Member 2024
Miriam Yushavaiev*	Role of substrate in terrestrial locomotion in young American Eels Honors Thesis Committee Member 2024 Master's Thesis Committee Member 2025
Gursimran Singh*	Evolutionary echoes of human visual deficiencies in avian genomes
Kristen Forcellati	The impact of 80 years of urbanization on Brown Cowbird songs
Jiaying Yang	Machine learning to understand <i>Zonotrichia leucophrys</i> hybrid zones
Meghan Forcellati	Morphology of Southwestern Desert birds (pt 2)
S. Yun Shue	Morphology of Southwestern Desert birds (pt 1)

RESEARCH EXPERIENCE

Adelphi University	Impacts of LIRR trains on bird song	2023–Present
Adelphi University	Feather color across the desert	2023–Present
Postdoctoral Training		
HDR Institute	Imageomics	2021–Present
The Ohio State University	North American bird phylogeography	2020–Present
The Ohio State University	Big-data bird bioacoustics	2020–Present
Ph.D. Training		
Richard Gilder Graduate School	Simulation and machine learning	2018–2020
Richard Gilder Graduate School	Avian speciation across barriers	2016–2020
Richard Gilder Graduate School	Parrot systematics and phylogeny	2016–2020
M.A. Training		
Columbia University	Northern Cardinal genetics and behavior	
2014–2016		
Research Assistant, Marina Cords	Primate behavioral anthropology	2014–2016
Undergraduate Training		
Burke Museum	Ornithology collections volunteer	2014
Cornell University	Behavioral ecology class projects	2011–2014

PROFESSIONAL MEMBERSHIPS

Imageomics • American Ornithological Society • Association for Women in Science • 500 Women Scientists • Society of Systematic Biologists • Society for the Study of Evolution • Women in Science at Columbia • American Society of Naturalists • Underrepresented Genders in Museum

Ornithology • Sigma Xi • New York Species Distribution Modeling working group

SKILLS

Python • R • Octave/Matlab • Linux • SLiM • Next-Generation Sequencing • ArcGIS • QGIS
Playback Experiments • Specimen Preparation • Deep Learning • Bioacoustics • Bioinformatics •
Autonomous Recording Units • Field Biology

LEADERSHIP AND OUTREACH

Science Museum of Long Island	Invited Speaker	2025
Sussex County Bird Club	Invited Speaker	2024
Postdoctoral Training		
Columbus Science Pub	Invited Speaker	2022
Western Cuyahoga Audubon	Invited Speaker	2021
The Ohio State University	Natural History Collections Club Mentor	2021–2023
Am. Museum of Natural History	Science and Nature Program: Collections	2021
Am. Museum of Natural History	Young Scientists: Birding 101	2021
Dispatches from the Field	Guest Blogger	2021
Ph.D. Training		
Am. Museum of Natural History	Milstein Science Series: Polar Bears	2020
GSTEM	Panel Speaker	2019
Biology on Tap	Invited Speaker: Deserts	2019
Bergen County Academies	Research Expo Judge	2019
Am. Museum of Natural History	Superb Owl Animal Trivia	2019
Am. Museum of Natural History	Instagram Research Outreach	2019
Am. Museum of Natural History	Mentoring Circle Leader	2018–2019
Am. Museum of Natural History	Meet the Scientist	2018
Am. Museum of Natural History	Identification Day	2018
Women in Natural Sciences	Steering Committee, Social Chair	2018–2020
Am. Museum of Natural History	Annual Family Party	2017
Am. Museum of Natural History	Los Sueños del Caribe	2017
Am. Museum of Natural History	Member Open House	2017–2018
M.A. Training		
Columbia University	Invited graduate orientation speaker	2015
Columbia University	E3B Student Representative	2014–2015
Columbia University	Science Saturday Starters	2014

PEER AND GRANT REVIEWS

Total Peer Reviews: 16		
Emu: Austral Ornithology	Peer review (1 manuscript)	2025
Journal of Biogeography	Peer review (1 manuscript)	2025
American Ornithological Society	Student Presentation Judge	2024–2025
Scientific Reports	Peer review (1 manuscript)	2024
Systematic Biology	Peer review (4 manuscripts)	2021–2024
Society of Systematic Biology	Grad Student Award Reviewer	2020–2024
Society of Systematic Biology	Ernst Mayr Award Reviewer	2023
Bulletin of the SSB	Peer review (1 manuscript)	2021
Ecology and Evolution	Peer review (3 manuscripts)	2019–2021
Molecular Ecology	Peer review (4 manuscripts)	2018–2021
Evolutionary Applications	Peer review (1 manuscript)	2020
Graduate Women in Science	National Fellowship Reviewer	2019

INVITED AND DEPARTMENTAL TALKS

Provost, K. *Using computational biology to understand bird evolution.* Talk presented at: Louisiana State University Museum Seminar: April 25th 2025.

Provost, K. *Using computational biology to understand bird evolution.* Talk presented at: BEES Seminar, Drexel University: February 20th 2025.

Provost, K. *Using computational biology to understand bird evolution.* Talk presented at: Honors Colloquium Seminar, Adelphi University: October 24th 2024.

Provost, K. *subspLabelR: a wrapper package in R to automatically label and filter subspecific occurrence data.* Talk presented at: New York Species Distribution Modeling Winter 2024 meeting, American Museum of Natural History: February 2nd 2024.

Postdoctoral Training

Provost, K. *Using machine learning to understand evolution in bird communities.* Talk presented at: EEOB Departmental Seminar, The Ohio State University: August 26 2021.

Ph.D. Training

Provost, K. *Population genomics of southwestern desert birds.* Talk presented at: American Museum of Natural History Second Year Symposium: November 30 2017.

M.A. Training

Provost, K. *Genetic and behavioral divergence among Northern Cardinal populations: Testing the permeability of a biogeographic barrier.* Talk presented at: Columbia University Department of Ecology, Evolution, and Environmental Biology MA Thesis Presentations: May 10 2016.

Provost, K. *Behavioral and molecular data suggest different mechanisms for isolation across a filter barrier.* Talk presented at: Columbia University Department of Ecology, Evolution, and Environmental Biology Seminar: Oct. 22 2015.

Provost, K. *Behavioral and molecular data suggest different mechanisms for isolation across a filter barrier.* Talk presented at: American Museum of Natural History Explorations in Ecological-Evolutionary Modeling Meeting: Sep. 24 2015.

Provost, K. *Testing the permeability of biogeographic barriers: avian diversification in the southwestern deserts.* Talk presented at: Columbia University Department of Ecology, Evolution, and Environmental Biology Seminar: Jan. 29 2015.

CERTIFICATES AND WORKSHOPS ATTENDED

Mobile Institute on Scientific Teaching, Queensborough Community College, 16-19 Jan. 2024.

SLiM Workshop, University of East Anglia (via Ben Haller, Cornell University), 15 Sep. 2019.

Machine Learning, Stanford University (via Coursera), coursera.org/verify/8KEWL7E9LEK7

Introduction to Analysis of Biological Sounds Using Raven Pro, 15-16 Aug. 2016.

SELECTED COURSEWORK

Richard Gilder Graduate School: Machine Learning (Independent Study); Spatial Bioinformatics; Foundations of Biological Classification; Second Year Symposium; Speciation; Applied Phylogenetics; Evolution; GIS and Remote Sensing for Conservation and Evolutionary Biology; Grantsmanship, Ethics, and Communication; Systematics.

Columbia University: Algorithmic Approaches to Biological Data; Ethics in Sustainability and Development; Conservation Biology; Phylogenomics; Applied Statistical Methods; Fundamentals of Ecology and Evolution; Biogeography.