

Kristin Petersilia Davis, PhD

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EDUCATION

PhD, Graduate Degree Program in Ecology Colorado State University, Fort Collins, CO	2019–2022 GPA: 3.98
Master of Science, Graduate Degree Program in Ecology Colorado State University, Fort Collins, CO	2015–2018 GPA: 3.96
Bachelor of Science, Department of Biology The College of William and Mary, Williamsburg, VA	2005–2009 GPA: 3.58, cum laude
Spanish Language and History Study Abroad; Universidad de Granada, Granada, Spain	Fall 2008
Tropical Ecology and Conservation Study Abroad; Center for International Education and Exchange, Monteverde, Costa Rica	Fall 2007

PUBLICATIONS

- Davis, K., H. Sofaer, L. Pejchar. 2022. Land cover differentially affects abundance of common and rare birds. *Global Change Biology*, in revision.
- Wilkins, K., S. Carroll, K. Davis, R. Hauptfeld, M. Jones, C. Larson, T. Lavery, L. Pejchar. 2021. Sexual harassment disproportionately affects historically excluded graduate students in STEM. *BioScience*. In review.
- Iranah, P., K. Davis, D. Bennett, E. Fleishman, J. Heinrichs, L. Pejchar. 2022. Multidisciplinary perspectives on habitat crediting programs for conserving at-risk species. *Natural Areas Journal* 42:319–325.
- Davis, K., J. Heinrichs, E. Fleishman, P. Iranah, D. Bennett, J. Berger, L. Pejchar. 2021. Strengths and shortcomings of habitat exchanges for species conservation. *Conservation Letters* e12846.
- Davis, K., D. Augustine, A. Monroe, C. Aldridge. 2021. Vegetation characteristics and precipitation jointly influence grassland bird abundance beyond the effects of grazing management. *Ornithological Applications* 123:1–15.
- Post, A., K. Davis, J. LaRoe, D. Hoover, A. Knapp. 2021. Semiarid grasslands and extreme precipitation events: Do experimental results scale to the landscape? *Ecology* e03437.
- Sofaer, H., C. Flather, C. Jarnevich, K. Davis, L. Pejchar. 2020. Human-associated species dominate passerine communities across the United States. *Global Ecology and Biogeography* 29:885–895.
- Davis, K., D. Augustine, A. Monroe, J. Derner, C. Aldridge. 2020. Adaptive rangeland management benefits grassland birds utilizing opposing vegetation structure in the shortgrass steppe. *Ecological Applications* 30:e02020.
- Das, A., N. Stephenson, K. Davis. 2016. Why do trees die? Characterizing the drivers of background tree mortality. *Ecology* 97:2616–2627.
- McDonald, S., K. Davis, J. McAllen, D. Spiro, J. Patton. 2011. Intra-genotypic diversity of archival G4P[8] human rotaviruses from Washington, D.C. *Infection, Genetics and Evolution* 11:1586–1594.

PRESENTATIONS

- Davis, K.,** H. Heldbjerg, H. Smith, H. Sofaer, L. Pejchar. 2022. Potential drivers of House Sparrow and Common Starling abundance across two continents. *22nd Conference of the European Bird Census Council*, Lucerne, Switzerland.
- Post, A., **K. Davis,** J. LaRoe, D. Hoover, A. Knapp. 2020. The influence of spatially variable rainfall on plant green-up in the shortgrass steppe. *Ecological Society of America annual meeting*, virtual. (poster)
- Davis, K.,** P. Iranah, J. Heinrichs, E. Fleishman, D. Bennett, J. Berger, L. Pejchar. 2020. Strengths and shortcomings of habitat exchanges for conserving species on private lands. *North American Congress for Conservation Biology*, virtual.
- Davis, K.,** D. Augustine, C. Aldridge, S. Skagen. INVITED. 2020. Trade-offs and challenges in applying adaptive rangeland management for a shortgrass-obligate bird. *Society for Rangeland Management annual meeting*, Denver, CO.
- Pejchar, L., P. Iranah, **K. Davis,** E. Fleishman, D. Bennett, and J. Heinrichs. 2019. Strengths and shortcomings of habitat crediting programs for cross-boundary conservation of endangered species. *Department of Defense - Strategic Environmental Research and Development Program conference*, Washington, D.C. (poster)
- Davis, K.,** D. Augustine, H. Wilmer. 2019. How collaboration is improving rangeland management in northeastern Colorado. *Society for Environmental Journalists annual meeting*, Fort Collins, CO. (poster)
- Davis, K.,** D. Augustine, C. Aldridge, S. Skagen. 2019. If we graze it, will they come? The importance of local and regional context to effective grazing management for grassland birds. *Partners in Flight Western Working Group meeting*, Fort Collins, CO.
- Pejchar, L., P. Iranah, **K. Davis,** E. Fleishman, D. Bennett, J. Heinrichs. 2019. A multi-disciplinary assessment of cross-boundary habitat mitigation. *Department of Defense Conservation Committee*, Pentagon, Washington, D.C.
- Davis, K.,** K. Walker, C. Martin, K. Gallagher, and D. Carver. 2019. Utilizing NASA Earth observations to evaluate the presence of Russian Olive in the Colorado River Basin. *American Society for Photogrammetry and Remote Sensing annual meeting*, Denver, CO.
- Leiker, S., K. Dennis, **K. Davis,** L. McGinnis, C. Torrens (co-presentors). 2018. Using NASA Earth observations to quantify tree mortality and burn severity to inform management on ranches and open lands. *GIS Day, Colorado State University*, Fort Collins, CO.
- Davis, K.,** C. Aldridge, D. Augustine, S. Skagen. 2018. Grazing for grassland birds: how does management and the environment affect abundance in Colorado's shortgrass steppe? *American Ornithological Society annual meeting*, Tucson, AZ.
- Davis, K.,** K. Walker, C. Martin, K. Gallagher, and D. Carver. 2018. Utilizing NASA Earth observations to evaluate the presence of Russian olive and its impact on evapotranspiration in the Upper Colorado River Basin. *Tamarisk Coalition annual conference*, Grand Junction, CO.
- Davis, K.,** C. Aldridge, D. Augustine, S. Skagen. 2017. Evaluating drivers of grassland bird abundance in Colorado's shortgrass steppe. *Front Range Student Ecology Symposium*, Fort Collins, CO.
- Wilmer, H., T. Plechaty, **K. Davis,** A. Carver, J. Derner. 2017. Linking animal, wildlife and social research for Collaborative Adaptive Rangeland Management. *Society for Rangeland Management annual meeting*, St. George, UT. (poster)
- Davis, K.,** C. Aldridge. INVITED. 2017. Understanding drivers of grassland bird population declines in the Central North American grasslands: cross-scale integration of weather, vegetation and topography. *Integrated Monitoring of Bird Conservation Regions annual meeting*, Fort Collins, CO.
- Davis, K.,** C. Aldridge, D. Augustine, S. Skagen. 2016. Integration of weather, vegetation and topography to understand grassland bird abundance on Colorado's shortgrass steppe. *North American Ornithological Conference VI*, Washington, D.C.

- Davis, K.,** M. Morrison, H. Mathewson, C. Newnam. 2015. Potential impact of construction noise and activity on the Golden-cheeked Warbler. *Texas Chapter of the Wildlife Society annual meeting*, Corpus Christi, TX.
- Davis, K.,** M. Morrison, H. Mathewson, C. Newnam, H. Pruett. 2014. Study of the potential impacts of construction noise on the Golden-cheeked Warbler. *Joint Conference of the American Ornithologists' Union, Cooper Ornithological Society, and Society of Canadian Ornithologists*, Estes Park, CO.
- Davis, K.,** D. Humple, G. Geupel. 2013. The Palomarin field station's intern training program: Training for effective conservation. *Fifth International Partners in Flight Conference and Conservation Workshop*, Snowbird, UT. (poster)
- Davis, K.,** S. McDonald, J. Patton. 2009. Patterns of reassortment in G4 serotype Children's Hospital rotavirus samples from 1974–1991. *National Institutes of Health Summer Poster Day*, Bethesda, MD. (poster)

GRANTS/AWARDS & FELLOWSHIPS

Colorado State University Graduate School Travel Award – \$500 total	2022, 2018
Warner College Van Riper Travel Award – \$1750 total	2021, 2020
Jay Hokenstrom Memorial Scholarship – \$1150	2021
Colorado State University School for Global Environmental Sustainability Leadership Fellow	2020–2021
F. Breniman Jr. Memorial Graduate Student Assistance Fund – \$1250	2019–2020
Honorable Mention, Student Presentation Award, American Ornithological Society conference	2018
Graduate Degree Program in Ecology (GDPE) Student Travel Award – \$1250 total	2018, 2016
American Ornithological Society Graduate Student Travel Award – \$330	2018
Natural Resource Ecology Laboratory (NREL) Graduate Student Travel Award – \$500	2018
University Programs for Research and Scholarly Excellence Fellowship – \$2500	2015
Braun & Gresham Texas EcoLab – \$9,940	2014
Graduate Student Council Fall Travel Award, Texas A&M – \$500	2014
Howard Hughes Medical Institute Summer Research Grant – \$7000 total	2007, 2008

PROFESSIONAL EXPERIENCE

Teaching assistant, Colorado State University, Fort Collins, CO	2017, 2021
Intern, Geospatial Centroid, Colorado State University, Fort Collins, CO	2018
Lead bird bander, The Ricketts Conservation Foundation, Bondurant, WY	2018
Independent research consultant, NASA DEVELOP Program, Fort Collins, CO	2017, 2018
Biological science technician, U.S. Department of Agriculture, Fort Collins, CO	2015
Lead bird bander, Smithsonian Migratory Bird Center, Port Lavaca, TX	2015
Graduate research assistant, Texas A&M University, College Station, TX	2014
Bird banding intern, Point Blue Conservation Science, Bolinas, CA	2013
Biological science technician, U.S. Geological Survey, Three Rivers, CA	2010–2012
Research intern, University of Puerto Rico, Luquillo Dynamics Forest Plot, Puerto Rico	2010
Research intern, University of California–Los Angeles Center for Tropical Research, Ecuador	2009
Research intern, National Institutes of Health, Bethesda, MD	2009
Undergraduate researcher, The College of William and Mary, Williamsburg, VA	2006–2009

WORKSHOPS & CLASSES

R Parallel Workshop, University of Colorado-Boulder, virtual.	2021
eBird Status Workshop, American Ornithological Society and Society for Canadian Ornithologists Conference, virtual.	2021

Facilitation Training for the Natural Resource Field, Colorado State University (co-organized) virtual.	2020
Diversity, Equity, and Inclusion in Socio-Environmental Synthesis Research. National Socio-Environmental Synthesis Center, virtual.	2020
Strategies for Responding to Harassment and Improving Workplace Climate. Colorado State University, Fort Collins, CO.	2020
R for Spatial Data and Statistics. Colorado State University, Fort Collins, CO.	2020
Cartography. Esri Massive Online Open Course.	2018
Get Spatial! Using R as GIS. American Ornithological Society annual meeting, Tucson, AZ.	2018
Getting to Know ArcGIS Pro. Colorado State University, Fort Collins, CO.	2017
Presentation Matters. Colorado State University, Fort Collins, CO.	2016

SERVICE & PROFESSIONAL MEMBERSHIP

Co-facilitator, member; Department of Fish, Wildlife, and Conservation Biology (FWCB) Graduate Student Anti-Racism Discussion Group	2020–2022
Committee co-chair; FWCB Dr. David Otis Seminar Speaker Series	2020–2022
Educator; Alliance/Warner College of Natural Resources STEM Institute	2021
Mentor; Girls Who Code, CSU Chapter	2020–2021
Vice President of Finance and Diversity, Equity, and Inclusion Committee member; Graduate Women in Science National and Northern Colorado Chapter	2020–2021
New student mentor; Graduate Degree Program in Ecology	2020–2021
President; FWCB Graduate Student Organization	2020
Treasurer, fund-raising co-chair, and/or volunteer; Front Range Student Ecology Symposium	2015–2020
Volunteer bird and butterfly surveyor; Nature in the City program, City of Fort Collins	2017, 2020
Program manager; NREL Graduate Student Travel Award	2017
Volunteer; Expanding Your Horizons STEM conference for middle school girls	2017
Volunteer bird bander; Bird Conservancy of the Rockies	2016, 2017
Member of the Society for Conservation Biology	2021–present
Member of the American Ornithological Society	2014–present