

Dongmin (Dennis) Kim

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Education

- 2019–2024 **Ph.D.**, Ecology, Evolution, and Behavior, University of Minnesota, Twin Cities
(Advisors: Allison Shaw and John Fieberg)
- 2013–2019 **B.A.**, Statistics, University of Minnesota, Morris

Primary Academic Appointments

- 2024+ Postdoctoral Researcher, Department of Ecology, Evolution, and Behavior
University of Minnesota (Advisor: Jesus Pinto-Ledezma)
- 2024+ Postdoctoral Researcher, Department of Organismic and Evolutionary Biology
Harvard University (Advisor: Paul Moorcroft)

Other Academic Appointments

- 2024+ Research Associate, Animal-Environment Interactions
Max Planck Institute of Animal Behavior (Advisor: Kamran Safi)
- 2022+ Research Associate, Conservation Ecology Center
Smithsonian Conservation Biology Institute (Advisors: Jared Stabach, Katherine Mertes)
- 2022 Smithsonian Institution Fellow, Migratory Bird Center
Smithsonian Conservation Biology Institute (Advisor: Autumn-Lynn Harrison)

Fellowships, honors and awards

- 2025 Institute on the Environment (IonE) Mini Grant (**\$3,000**)
- 2023–2024 University of Minnesota - Doctoral Dissertation Fellowship (**\$26,000**)
- 2022–2023 National Science Foundation (NSF) - INTERN Award (**\$50,329**)
- 2022 Smithsonian Institution Fellowship (**\$11,200**)
- 2022 World Wildlife Fund (WWF) BRIDGE Data Science Intern (**declined**)
- 2021–2023 University of Minnesota - Graduate Summer Fellowship (**\$14,570**)
- 2019 Howard Hughes Medical Institute (HHMI) Inclusive Excellence Teaching Assistant Fellowship (**\$1,000**)

Peer reviewed publications

Published/In Press

- J1. AK, S., L, F., S, M., **Kim D**, N, C., D, W., B, A., N, A., CE, B., R, B., *et al.* Perceived and observed biases within scientific communities: a case study in movement ecology. *Proceedings of the Royal Society B: Biological Sciences* (2025).
- J2. E, G., HS, F., TH, P., S, N., SC, G., PA, V., F, F., DG, H., RN, A.-L., JK, A., **Kim D**, *et al.* Same data, different analysts: variation in effect sizes due to analytical decisions in ecology and evolutionary biology. *BMC Biology* (2025).
- J3. K, S., S, B., **Kim D**, Y, Y. & S, K. Variation in activity patterns of Japanese serow (*Capricornis crispus*) across different temporal scales. *European Journal of Wildlife Research* (2025).
- J4. A, S., AT, B., C, W., **Kim D**, M, T., N, N., P, L., R, A. & C, S. Six personas to adopt when framing theoretical research questions in biology. *Proceedings of the Royal Society B: Biological Sciences* **291** (2024).
- J5. **Kim D**, PR, T., D, W., J, M., LGR, O.-S., JD, F., T, A., MA, L. & J, F. Identifying signals of memory from observations of animal movements. *Movement Ecology* (2024).
- J6. MS, T., DW, W., SM, S., DJ, W., AB, H., **Kim D**, YF, T., GR, K. & DE, A. Conservation of North American migratory birds: insights from emerging technologies. *Avian Conservation and Ecology* (2024).
- J7. N, C., D, W., **Kim D**, J, V., S, F., NM, B., K, S., JC, T. & J, F. Modeling individual variability in habitat selection and movement using integrated step-selection analyses. *Methods in Ecology and Evolution* **15** (2024).
- J8. **Kim D** & AK, S. Migration and tolerance shape host behavior and response to parasites infection. *Journal of Animal Ecology* **90** (2021).

Under review

- U1. **Kim D**, T, M., K, M., J, S. & J, F. Detecting disease progression from animal movement using hidden Markov models. *Journal of Applied Ecology* (2025).

In preparation

- I1. **Kim D**, T, P., D, W., E, A., P, M. & J, P.-L. Partial migration across space and time: bridging hypotheses and mechanisms. *Ecology Letters* (*Invitation*).
- I2. R, O., S, Y., L, P., ES D and, ., **Kim D**, *et al.* Seven reasons we need movement-based indicators. *Nature Reviews Biodiversity*.

Teaching

2022	FW 5051: Analysis of Population
2019, 2021	EEB 3407/5407: Ecology
2021	EEB 1961: Foundations of Biology Lab I
2018	STAT 3601: Data Analysis
2018	STAT 1601: Intro to Statistics

Mentoring

2023-2024 Henry Parks (undergraduate)

Presentations

Talks

- T1. Harvard University – Davies and Moorcroft Labs (*Invitation*). Apr. 2025.
- T2. Smithsonian National Zoological Park – Remote Sensing Group (*Invitation*). Aug. 2024.
- T3. Harvard University – Moorcroft Lab (*Invitation*). Sept. 2023.
- T4. University of Minnesota – EEB Seminar (*Invitation*). Sept. 2023.

Posters

- P1. The Wildlife Society (TWS) Annual Conference, KY, USA. Nov. 2023.
- P2. Gordon Research Conference (GRC), Lucca, Italy. May 2023.
- P3. Gordon Research Seminar (GRS), Lucca, Italy. May 2023.
- P4. North American Duck Symposium (NADS), Winnipeg, Canada. Aug. 2019.

Academic Service

Broadening Representation and Equity With Science (BREWS)

2024-2025 Committee Member

Brainstorm and help organize BREWS seminars and host events that broaden representation and equity within the EEB department.

Reviewer Experience

2024-2025 Manuscript Reviewer: 4 total

- Ecological Monographs - 2024
- Ethology - 2024
- Nature Reviews Biodiversity - 2025
- Movement Ecology - 2025

Bell Museum Summer Camp

2024 Mentor

Taught kids learn about animal migration, reduced fear of math, introduction to using conceptual models to study the real world

Field Guides

2022-2024 Undergraduate Mentor

Mentored undergraduate students broadly interested in ecology, evolution, and behavior to help them find on-campus research positions, connect them with potential employers, help them apply to summer research positions

Non-academic Career Seminar

2021-2023 Lead organizer

Initiated and organized informal informational interviews with early-career researchers in non-academic positions (PhDs in Ecology, Evolution, Behavior, and Conservation Science)