
Education**University of California, Los Angeles**, Los Angeles, CA

PhD program in Ecology & Evolutionary Biology

Pinter-Wollman Lab

September 2021 - present

Expected completion: 2027

*Research on the spatiotemporal dynamics of social networks in vultures (behavioral ecology)***Yale University**, New Haven, CT

B.S. in Ecology & Evolutionary Biology

May 2020

Cumulative GPA 3.92, magna cum laude.

Grants and Awards

UCLA EEB Department Conference Grant (\$1,000), U. of California, Los Angeles	2023
NSF Graduate Research Fellowship (GRFP) (\$37,000 annually for 3 years)	2023
Lida Scott Brown Conference Travel Grant (\$1,300), U. of California, Los Angeles	2022
UCLA Graduate Dean's Scholar Award (\$14,500), U. of California, Los Angeles	2021
Edgar J. Boell Prize for Excellence in Senior Research , Yale University	2020
Mellon Grant for Senior Research (\$325), Yale University	2019
Summer Environmental Fellowship (\$2,000), Yale University	2019
Kohlberg-Donohoe Research Fellowship (\$1,100), Yale University	2019
Dean's Research Fellowship in the Sciences (\$4,300), Yale University	2019
Richter Summer Fellowship (\$500), Yale University	2019
Research Experience for Undergraduates (\$5,000; \$5,500), National Science Foundation	2017, 2018

Publications

D'Bastiani, E., Anglister, N., Lysnyansky, I., Mikula, I., Acácio, M., Vaadia, G., **Gahm, K.**, Spiegel, O., & Pinter-Wollman, N. (2024). Social interactions do not affect mycoplasma infection in griffon vultures. *Royal Society Open Science*, 11(12), 240500. <https://doi.org/10.1098/rsos.240500>

Acácio, M., **Gahm, K.**, Anglister, N., Vaadia, G., Hatzofe, O., Harel, R., Efrat, R., Nathan, R., Pinter-Wollman, N., & Spiegel, O. (2024). Behavioral plasticity shapes population aging patterns in a long-lived avian scavenger. *Proceedings of the National Academy of Sciences*, 121(35), e2407298121. <https://doi.org/10.1073/pnas.2407298121>

Van Appledorn, M., Jankowski, K., **Gahm, K.**, Budd, S., Baumann, D., Bennie, B., Erickson, R., Haro, R., & Rohweder, J. (2024). The where and why of large wood occurrence in the Upper Mississippi and Illinois Rivers. *Earth Surface Processes and Landforms*, <https://doi.org/10.1002/esp.5911>

Gahm, K., R. Nguyen*, M. Acácio, N. Anglister, G. Vaadia, O. Spiegel, and N. Pinter-Wollman (2024). "A wrap-around movement path randomization method to distinguish social and spatial drivers of animal interactions." Accepted (*Phil. Trans. B*). *undergraduate mentee

Gahm, K (2022). vultureUtils. R package version 0.1.0. DOI: 10.5281/zenodo.7693944.

Venable, G.X., **K. Gahm**, and R.O. Prum (2022). "Hummingbird plumage color diversity exceeds the gamut of all other birds." *Communications Biology*. DOI: <https://doi.org/10.1038/s42003-022-03518-2>.

Bishop, C., **K. Gahm**, A.P. Hendry, S.E. Jones, M. Stange, and C.T. Solomon (2022). "Benthic-limnetic morphological variation in fishes: dissolved organic carbon concentration produces unexpected patterns." *Ecosphere*. DOI: <https://doi.org/10.1002/ecs2.3965>.

Gahm, K., A.Z.A. Arietta, and D.K. Skelly (2020). "Temperature-mediated tradeoff between development and performance in larval wood frogs (*Rana sylvatica*).” *Journal of Experimental Zoology A*. DOI: 10.1002/jez.2434.

Presentations

Gahm, K., R. Nguyen*, M. Acácio, N. Anglister, G. Vaadia, O. Spiegel, and N. Pinter-Wollman. December 2023. "An updated movement path randomization method to distinguish social and spatial drivers of animal interactions." UCLA Quantitative and Computational Bio Research in Progress Seminar, Los Angeles, CA.

Gahm, K., M. Acácio, N. Anglister, G. Vaadia, O. Spiegel, and N. Pinter-Wollman. July 2023. "Effect of movement behavior on social position across seasons and social situations in an avian scavenger." Animal Behavior Society Conference, Portland, OR.

Gahm, K., and M. Paquet. November 2022. "The Society for Open, Reliable, and Transparent Ecology and Evolutionary Biology." Animal Behaviour Live Conference (virtual poster).

Gahm, K. October 2022. "What they didn't teach you about workflow and project organization (in R)." EcoEvoPub, UCLA Department of Ecology & Evolutionary Biology, Los Angeles, CA.

Gahm, K. and N. Pinter-Wollman. July 2022. "Modeling Situation-Specific Effects of Multiple Mortality on Social Network Structure in Griffon Vultures (*Gyps fulvus*)" Poster at Animal Behavior Society Conference, San José, Costa Rica.

Gahm, K. July 2021. "Retroactively Reproducible: Lessons from a workflow audit." SORTEE (Society for Open, Reliable, and Transparent Ecology & Evolutionary Biology) Conference, virtual.

Gahm, K. April 2020. "The Tadpole Olympics: A tradeoff between development and performance in wood frog tadpoles." Presentation at Pierson College Mellon Forum, New Haven, CT.

Gahm, K. August 2018. "Large wood and fish in the Upper Mississippi River." Poster at Society for Freshwater Science Annual Meeting, Salt Lake City, UT.

Teaching and Mentorship

Mentor and Co-Organizer , Hacky Hours (Computational co-working space) University of California, Los Angeles	December 2021 - present
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Instructor, The Carpentries

Data Analysis and Visualization in R for Ecologists

University of California, Los Angeles, CA

St. Louis Zoo, St. Louis, MO

University of California (virtual)

January 2024

October 2023

August 2023

Version Control with Git

University of California, Los Angeles, CA

SORTEE Annual Conference (virtual)

April 2022

July 2021

Graduate Teaching Assistant, EEB 185 Evolutionary Medicine

Instructor: Natalie Lozano-Huntelman. University of California, Los Angeles

Instructor: Rachel Prunier. University of California, Los Angeles

Spring 2023

Spring 2022

Graduate Teaching Assistant, EEB 129 Animal Behavior
Instructor: Noa Pinter-Wollman. University of California, Los Angeles

Winter 2023

Peer Mentor

UCLA Department of Ecology & Evolutionary Biology

2023 – present

Yale Department of Ecology & Evolutionary Biology

2019 – 2020

Service

Society for Open, Reliable and Transparent Ecology & Evolutionary Biology (SORTEE)

Interim Co-Treasurer

February 2024 - present

Secretary

January 2024 - present

Education & Outreach Committee

January 2023 - present

Board of Directors (elected to student seat for 3-year term)

December 2021 - present

Membership Committee

December 2020 - December 2022

UAW 4811 UCLA

Head Steward (elected)

May 2024 - present

Campus Organizing Committee Co-chair (elected)

February 2023 - present

EEB Department steward (elected)

May 2022 - present

Other Employment

Database Specialist

June 2020 – August 2021

Cary Institute of Ecosystem Studies

Research Assistant

January 2018 – March 2021

Yale Grammatical Diversity Project

Museum Assistant in Entomology

September 2016 – May 2020

Yale Peabody Museum of Natural History

Undergraduate Researcher

September 2017 – December 2018

Powell Lab, Yale University Department of Ecology & Evolutionary Biology

Professional Affiliations

Society for the Study of Evolution (SSE)

2024

Animal Behavior Society (ABS)

2021 - present

Society for Open, Reliable, and Transparent Ecology & Evolutionary Biology (SORTEE)

2020 - present