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**Education**

**University of California, Los Angeles**, Los Angeles, CA  
PhD program in Ecology & Evolutionary Biology September 2021 - present  
Pinter-Wollman Lab  
*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.*

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**Grants and Awards**

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

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**Publications**

- D'Bastiani, E., N. Anglister, I. Lysynyansky, I. Mikula, M. Acácio, G. Vaadi, **K. Gahm**, O. Spiegel, and N. Pinter-Wollman (*In prep.*). "Social interactions do not affect mycoplasma infection in griffon vultures."
- Acácio, M., **K. Gahm**, N. Anglister, G. Vaadia, O. Hatzofe, R. Harel, R. Efrat, R. Nathan, N. Pinter-Wollman, and O. Spiegel (2024). "Behavioural plasticity shapes population ageing patterns." (*In prep.*) DOI: <https://doi.org/10.32942/X22321>.
- Van Appledorn, M., K.J. Jankowski, **K. Gahm**, S. Budd, D. Baumann, B. Bennie, R.A. Erickson, and J. Rohweder (2024). "The where and why of large wood in the Upper Mississippi and Illinois Rivers." *In review (Earth Surface Processes and Landforms)*.
- 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.

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## 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.
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## Teaching and Mentorship

- Mentor and Co-Organizer,** Hacky Hours (Computational co-working space) December 2021 - present  
University of California, Los Angeles
- Instructor,** The Carpentries
- Data Analysis and Visualization in R for Ecologists*
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|---|--------------|
| University of California, Los Angeles, CA | January 2024 |
| St. Louis Zoo, St. Louis, MO              | October 2023 |
| University of California (virtual)        | August 2023  |
- Version Control with Git*
- |   |            |
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| University of California, Los Angeles, CA | April 2022 |
| SORTEE Annual Conference (virtual)        | July 2021  |
- Graduate Teaching Assistant,** EEB 185 Evolutionary Medicine
- |  |             |
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| <i>Instructor:</i> Natalie Lozano-Huntelman. University of California, Los Angeles | Spring 2023 |
| <i>Instructor:</i> Rachel Prunier. University of California, Los Angeles           | Spring 2022 |
- Graduate Teaching Assistant,** EEB 129 Animal Behavior Winter 2023  
*Instructor:* Noa Pinter-Wollman. University of California, Los Angeles

## Peer Mentor

UCLA Department of Ecology & Evolutionary Biology 2023 – present  
Yale Department of Ecology & Evolutionary Biology 2019 – 2020

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## 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

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## 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

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## 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