

Lauren Glevanik

Department of Ecology and Evolutionary Biology
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EDUCATION

Ph.D. Student, Biology, University of California - Los Angeles
Department of Ecology and Evolutionary Biology
Advisor: Dr. Nathan Kraft

B.S., Plant Biology University of California - Davis, June 2020
Minors in Professional Writing and Ecology, Evolution & Biodiversity

AWARDS & GRANTS

Donald J. Buth Award for Outstanding Poster Presentation (<i>3rd Place</i>), UCLA EEB	2024
California Native Grasslands Association GRASS Grant, \$500	2024
UCLA Ecology and Evolutionary Biology Departmental Fellowship \$15275	2022-2023
Michigan State University Plant Sciences Fellowship \$30000 , <i>offered & declined</i>	2022
UC Davis College of Biological Sciences Dean's Honors List	2020
Oliver Leonard Botany Scholarship \$1500	2019
Liliane D. Wells Botany Scholarship \$400	2016
UC Davis Cal Aggie Alumni Association Leadership Award \$1500	2016
San Diego Foundation COX Cares Scholarship \$5000	2016
Elks National Foundation Most Valuable Student Scholarship \$1500	2016

RESEARCH EXPERIENCE

Graduate Researcher, UCLA Department of Ecology and Evolutionary Biology (2022 — Present)

Processing Tomato Breeding Aide, HM.CLAUSE (2021 — 2022)

Investigated effects of epigenetic yield enhancement of processing tomato; managed experimental trial setup, data collection, and analysis in collaboration with EpiCrop Technologies (Lincoln, NE). Collected and enter data on yield and performance for 800+ varieties grown in 4 off-station trials.

Fresh Market Tomato Breeding Intern, HM.CLAUSE (2020)

Evaluated and selected tomato hybrid and parent lines in the field for advancement to production. Managed data collection for multiple off-station trials throughout California's Central Valley.

Vernal Pool Field Technician, Emery Lab, University of Colorado Boulder (2020 — 2021)

Censused plots of *Lasthenia sp.* within Jepson Prairie Preserve to determine evolutionary feedbacks of wildflower dispersal preferences under variable environmental conditions. Planted seeds, identified seedlings, implemented experimental treatments in field settings, recorded data.

Habitat Horticulture Intern, UC Davis Arboretum and Public Garden (2019 — 2020)

Led the program-wide iNaturalist campaign for the Spring 2020 quarter of remote instruction; engaged 50+ community members to contribute 33,000+ data points.

Undergraduate Researcher, Sinha Lab, UC Davis Department of Plant Biology (2017 — 2018)

Investigated genetic controls of tomato leaf morphology and subsequent effects on fruit sugar. Proficient in DNA extraction, PCR, electrophoresis, tissue collection, microscope slide preparation.

TEACHING EXPERIENCE

University of California, Los Angeles

2024 Teaching Assistant, EEB 100: Introduction to Ecology & Behavior

2023 Teaching Assistant, EEB 161: Plant Ecology

2023 Teaching Assistant, EEB 100: Introduction to Ecology & Behavior

University of California, Davis

2018 Student Teaching Assistant, EDU 198: Foundations for University Success

2017 First-Year Aggie Connections Mentor, BIS 5: Exploring Biological Sciences

MENTORING

Undergraduate Research

- 2022 - Present Hannah Gray, University of California, Los Angeles
- 2022 - Present Maddie McEwen, University of California, Los Angeles

Other Mentoring Experience

UCLA EEB Graduate Peer Mentorship Program (2023 — Present)

- Facilitated monthly meetings with incoming first-year graduate students and provided support and advice for navigating the transition to graduate school, specifically within Ecology & Evolutionary Biology.

Peer Mentor, BioLaunch / Mentor Collective (2018 — 2020)

- Mentored 6 incoming students per school year, maintained conversation reports & connected mentees with campus resources and opportunities

Peer Mentor, First-Year Aggie Connections (2017 — 2018)

- TA for three different programs: Exploring Biological Sciences / BIS 5 (Fall 2017), Adulting 101 (Winter 2018), Foundations for University Success / EDU 198 (Spring 2018)
- Planned and led three group events per quarter to connect mentees with campus resources
- Collaborated with UC Davis faculty members to create and administer course content

PUBLICATIONS & PRESENTATIONS

Presentations (indicates undergraduate author)*

5. Gray H,* McEwen M,* Kraft NJB, **Glevanik L.** 2024. "Seed shape correlates of dispersal distance in California serpentine annual plants." Poster presentation. UCLA EEB Research Symposium. *3rd place Donald J. Buth Award for Outstanding Poster Presentation.*
4. Glevanik L, Martinez SA, Morton K. 2021. "Epigenetic Enhancement of Yield in Hybrid Processing Tomatoes." Seminar. HM.CLAUSE, Davis, CA.
3. Glevanik L. 2020. "Improving Fresh Market Tomato Flavor & Fruit Quality." Four-part seminar series. HM.CLAUSE, Davis, CA.
2. Glevanik L, Davis R. 2020. "Basics of iNaturalist: The City Nature Challenge and 'Naturing at Home.'" Three-part webinar series. UC Davis Arboretum and Public Garden.
1. Glevanik L, Rowland S, Zumstein K, Sinha N. 2018. "How to Build a Better Tasting Tomato." Poster presentation. UC Davis Undergraduate Research Conference.

Reports (not peer-reviewed)

2. Glevanik L. 2020. "Breeding for Improved Fruit Quality and Flavor in Tomato: A Review." Grey literature for internal use at HM.CLAUSE.
1. Glevanik L. 2020. Population sex ratio of coyote brush (*Baccharis pilularis*) in Stebbins Cold Canyon Reserve. *UC Davis Prized Writing*, 31: 162-168.

Selected Media Articles

8. Glevanik L. 2024. [Mowing through challenges: Cutting-edge ways to improve grassland restoration efforts.](#) *Envirobites.*
7. Glevanik L. 2024. [Hive minds: Bumblebees collaborate to learn complex behaviors.](#) *Envirobites.*
6. Glevanik L. 2024. [These bat teeth were made for chompin': An evolutionary history of bat teeth.](#) *Envirobites.*
5. Glevanik L. 2020. [An alien invasion threatens wildflower habitat.](#) *Student Conservation Corner.* UC Davis Department of Wildlife, Fish, and Conservation Biology.
4. Glevanik L. 2020. [UC Davis researchers publish comprehensive study on female millipede reproductive structures.](#) *The California Aggie.*
3. Glevanik L. 2020. [Bumblebees change flight modes to carry heavy loads of nectar.](#) *The California Aggie.*
2. Glevanik L. 2020. ["Reverse" solar panels harness Earth's heat to generate energy.](#) *The California Aggie.*
1. Glevanik L. 2020. [Orchid bees mix unique perfumes to signal potential mates.](#) *The California Aggie.*

LEADERSHIP & SERVICE

Current & Ongoing

Scientist Mentor, Planting Science (2024 - Present)
Contributing Writer & Editor, Envirobites Blog (8-10k readers per month) (2024 - Present)
UCLA EEB Grad Peer Mentorship Program (2023 - Present)
Monitor, Western Snowy Plover Conservation Program, Los Angeles Audubon (2023 - Present)
Docent, Jepson Prairie Preserve, Solano Land Trust (2020 - Present)
Citizen Science Volunteer Contributor, UC ANR California Naturalist Program (2019 - Present)

Past Events

Booth Leader, Exploring Your Universe at UCLA (Fall 2023)
Excursion Leader, EEB First Year Retreat (Fall 2023)
Group Leader, UCLA Graduate Student Organization New Student Orientation (Fall 2023)
Reviewer, ESA conference abstracts (Spring 2023)
Excursion Leader, EEB Graduate Student Recruitment Excursion (Winter 2023)
Event Volunteer, Exploring Your Universe at UCLA (Fall 2022)
Classroom Instructor, Sprout Up at UC Davis (Winter - Spring 2018)
Founder & President, Plant Biology Club at UC Davis (2017 - 2019)

CERTIFICATIONS & TRAINING

Research Mentorship Training, Center for the Improvement of Mentored Experiences in Research, UCLA (2024)
Participated in 15 hours of evidence-based training in effective and culturally responsive research mentorship developed by NRMN and CIMER. Enacted a Mentoring Action Plan to enhance mentoring practices and develop a mentoring philosophy.

CNPS Rare Plant Treasure Hunt and Vegetation Sampling (California Native Plant Society, 2022)

California Naturalist Certification (UC ANR, 2019)

Capstone: Lake Tahoe Water Quality Analysis using Snapshot Day Citizen Science Data
Advisor: Dr. Laci Gerhart-Barley, UC Davis Department of Evolution and Ecology

PROFESSIONAL MEMBERSHIPS

Ecological Society of America • California Native Plant Society • California Native Grasslands Association

SELECTED PHOTOGRAPHY FEATURES

11. *Cicadidae*. Kratzer, CA. *The Cicadas of North America*. 2024. Owlfly Publishing. [In preparation]
10. *Castilleja attenuata*. MacKinnon A, Pojar J, Joseph L, Fenneman J. 2024. *Vascular Plants of Coastal British Columbia and the Pacific Northwest*. BC Museum Press. [In preparation]
9. *Apodemia virgulti*. Daniel J. "Growing Opportunities for Wildlife." Spring 2024. *Sketches*, 75(3):10. San Diego Audubon Society. [[Internet](#)]
8. *Papaver californicum*. "City Nature Challenge Tallies Over 1.87 Million Wildlife Observations." 8 May 2023. Natural History Museum of LA County. [[Internet](#)]
7. *Sciurus niger*. Greene S. "California started this community science project to document urban nature — now it's taking over the world." 28 April 2023. LA Times. [[Internet](#)]
6. *Sidalcea keckii*. Keck's Checkerbloom. 2022. US Fish & Wildlife Service. [[Internet](#)]
5. *Ardea herodias* and *Microtus californicus*. City Nature Challenge 2022 Recap: Results and Interesting Finds. 26 July 2022. UC Davis School of Education. [[Internet](#)]
4. *Astragalus rattanii* var. *jepsonianus*. "CNPS eNews April 2022." 2022 April 18. California Native Plant Society [[Internet](#)]
3. *Lontra canadensis*. Thompson D. 2022. "The Return of the River Otter." *The Conservationist*, 59(4):7. Forest Preserve District of DuPage County. [[Internet](#)]
2. *Pollicipes polymerus*. Patyten M. 2020 Aug 20. "Bag Limits for Saltwater Snails? Following the Regulations for Tidepool Foraging." CDFW Marine Management News. [[Internet](#)]
1. *Battus philenor*. 27 July 2020. "Document the flora..." UC Davis Arboretum and Public Garden. [[Internet](#)]