Jordan Alexander Lewis, PhD

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EDUCATION

Laney Graduate School, Emory University, Atlanta, GA
PhD in Population Biology, Ecology, and Evolution, Dec 2022
Dissertation Advisor: Levi Morran, PhD
Dissertation: The influence of evolutionary reciprocity and genetic architecture on the evolution of host defense in *Caenorhabditis elegans*

Emory Center for Ethics, Emory University, Atlanta, GA
Doctoral Certificate in Bioethics, Aug 2022

Winthrop University, Rock Hill, SC
BS in Biology and Environmental Science, May 2017
Thesis Advisors: Matthew Heard, PhD, and Victoria Frost, PhD.
Honors Thesis: Impacts of beach renourishment on the distribution and abundance of *Escherichia coli*

ACADEMIC & PROFESSIONAL EXPERIENCE

Assistant Professor
University of South Carolina (USC), Department of Biological Sciences, Aug 2026 – present

Assistant Research Professor | Bridge to Faculty Fellow
University of South Carolina (USC), Department of Biological Sciences, Aug 2024 – Aug 2026

National Science Foundation Postdoctoral Fellow
Yale University, Department of Ecology and Evolutionary Biology, Nov 2022 – Aug 2024

National Science Foundation Graduate Research Fellow
Emory University, Department of Biology, Aug 2017 – Aug 2022

Summer Research Assistant | Student Research Opportunities Program
The University of Notre Dame, Department of Biological Sciences, May 2016 – Aug 2016

Undergraduate Research Assistant | Ronald E. McNair Scholars
Winthrop University, Department of Biological Sciences, Jun 2014 – May 2017

PUBLICATIONS

ORCID:0000-0001-9684-3763

Peer-Reviewed Articles

6. Lewis JA, Decker MB, Turner CA, Kane EA, Dykstra KL,Turner PE. (Accepted). Effects of Extreme Rainfall on Enterococci Abundance in Sand and Water at Costal Beaches in Connecticut, USA. *Estuaries and Coasts.*

5. Lewis JA, Turner PE, Chan BK, Vong G. (2026). Phage therapy and global health equity: Opportunities in the era of antibiotic resistance. *Annual Reviews in Virology. 13: 525-544. https://doi.org/10.1146/annurev-virology-092623-110310*

4. Lewis JA, Frost VJ, Heard MJ. (2024). Examining the potential impacts of a coastal renourishment project on the presence and abundance of *Escherichia coli*. *PLOS ONE, 19(5): e0304061. https://doi.org/10.1371/journal.pone.0304061.*

3. Lewis JA, Kandala PA, Penley MJ, Morran LT. (2023). Gene flow accelerates adaptation to a parasite. *Evolution*, 77 (6), 1468–1478. https://doi.org/10.1093/evolut/qpad048.

2. Lewis JA, Penley MJ, Ahumada SD, Sylla H**A**, Morran LT. (2022). Antagonistic coevolution limits the range of host defense in *C. elegans* populations. *Frontiers in Cellular and Infection Microbiology, 12*. https://www.frontiersin.org/articles/10.3389/fcimb.2022.758745.

1. Lewis JA & Morran LT. (2022). Advantages of laboratory Natural Selection in the Applied Sciences. *Journal of Evolutionary Biology*, 35, 5– 22. https://doi.org/10.1111/jeb.13964.

FELLOWSHIPS & FELLOWSHIPS

Independent Funding | Total = $308,000

Universal Design for Learning Course (Re) Design Grant, Center for Teaching at USC
2026 – 2027, $2,500

Postdoctoral Fellowship in Biology, National Science Foundation
2022 - 2024, $138,000

Local and Regional Outreach Small Grant, Society for the Study of Evolution
2023, $1,000

Nat C. Robertson Fellowship in Science and Society, Institute for Liberal Arts**.** Emory University
2021 - 2022, $15,000. **Inaugural Award Year*

Diversifying Graduate Education Fellowship, Laney Graduate School. Emory University
2020 - 2021, $10,000

Pat Marstellar Fund for Teaching Excellence Travel Grant. Emory University
2018, $500

Initiative to Maximize Student Development, National Institutes of Health and Emory University
2017 - 2020, $3,000

Graduate Research Fellowship in Biology, National Science Foundation
2017 - 2020**,** $138,000

Mentored or Sponsored Funding | Total = $7,500

Fulbright Outreach Lecturing Fund (to Dr. Rajani Panchang, SPPU, sponsor: Jordan Lewis)
2026, $2,000

Honors College Student Research Grant (to Charles Johnson, USC)
2026, $4,500

Journey Early Researchers Grant (to Aniya Ravenell**,** USC)
2026, $1,000

HONORS & AWARDS

2026. Outstanding Young Alumni Award, Alumni Association. Winthrop University.
2023. Commencement Student Marshall, Laney Graduate School. Emory University.
2022. Scholar of the Year, Population Biology, Ecology & Evolution Program. Emory University.
2022. Keith Wilkinson Graduate Service Award, Laney Graduate School. Emory University.
2021. Edward A. Bouchet Graduate Honor Society Inductee, Emory University Chapter.

RESEARCH PRESENTATIONS

Invited Presentations
2025. Louisiana State University. Systematics, Ecology, and Evolution Seminar Series.
2024. Winthrop University. Homecoming Encore Lecture Series.
2024. University of Virginia. Next Gen. Leaders in Biology Symposium.
2024. Pennsylvania State University. Center for Infectious Disease Dynamics Seminar.
2024. University of South Carolina. Bridge to the Faculty Seminar.
2024. University of South Carolina. Biology Department Program Seminar.
2023. Rutgers University. Department of Ecology, Evolution, and Natural Resources Seminar.
2023. Northern Arizona University. The Pathogen & Microbiome Institute Seminar.
2022. Winthrop University. Biology Department Seminar.
2018. Winthrop University. Biology Department Seminar.

Selected National and Regional Presentations (* indicates oral, ^ indicates poster)
2026. Tri-Society Evolution Conference. *Cleveland, OH* *
2025. Tri-Society Evolution Conference. *Athens, GA*. *
2024. Tri-Society Evolution Conference. (3rd Joint Congress w/European Society). *Montreal, QC, CAN*. ^
2023. Microbial Population Biology Gordon Research Conference. *Andover, NH*. ^
2023. Tri-Society Evolution Conference. *Albuquerque, NM*. *
2023. Ecology & Evolution of Infectious Disease International Conference. *State College, PA*. ^
2022. Tri-Society Evolution Conference. *Cleveland, OH*. *
2022. Ecology & Evolution of Infectious Disease International Conference. *Atlanta, GA.* ^
2021. 17th Annual Bouchet Conference on Diversity and Graduate Ed. *New Haven, CT*. *
2019. Annual Biomedical Research Conference for Minority Students. *San Antonio, TX*. ^
2018. Southeastern Population Ecology and Evolutionary Genetics Conference. *Pembroke, VA*.^
[Won Best Graduate Student Poster]

WORKSHOPS, TRAININGS, & NON-RESEARCH PRESENTATIONS

Invited Presentations and Facilitated Workshops
2027. What We Lose When We Limit Participation in Science. American Society of Naturalists Meeting.
2026. Office of Undergrad Research. Research Ethics & Why You Should Care. USC
2026. Weekly Seminar in Science. University of South Carolina Beaufort.
2026. Biological Sciences Department Program Seminar. USC
2025. Office of Undergrad Research. Research Ethics and the Bigger Picture. USC.
2025. Office of Undergrad Research. Summer Research Ethics Training. USC.
2023-24. Biospheric Institute SURE: Responsible Conduct of Research. Yale University.
2021-22. SURE: Responsible Conduct of Research Summer Workshop. Emory University.
2018 – present. McNair Program, Summer Graduate Application Workshop. Winthrop University.

Workshops and Trainings Participated In
2025. Universal Design for Learning Faculty Short Course. University of South Carolina.
2023. Skills for Advanced Biology Careers Workshop. SACNAS NDiSTEM Conference.
2023. Future Faculty Workshop. Notre Dame University.
2018. Problem-Based Learning Workshop. CIRTL National Network. University of Delaware.

TEACHING ACTIVITIES

(ME= mean evaluation)

University of South Carolina

Spring 2027
BIOL 599-Special Topics: Biology, Ethics, and Society (Lead Instructor). ME= TBD

Emory University, Atlanta, GA

Spring 2022
IDS 385-Special Topics: Bioethical Issues of the 21st Century (Lead Instructor). ME=3.95/4

Fall 2021
IDS 205W-Science & the Nature of Evidence: Medical & Scientific Uncertainty (Co-Instructor). ME=3.84/4
Summer 2021
BIOETH 505-Special Topics: Thought Experiments in Bioethics (Co-Instructor). ME=4/4
Fall 2019
BIOL 247W- Ecology Laboratory (Field Assistant). ME= NA
Spring 2019
BIOL 247- Ecology (Teaching Assistant). ME= NA
Fall 2018
BIOL 247W- Ecology Laboratory (Field Assistant). ME= NA
Spring 2018
BIOL 241- Evolutionary Biology (Teaching Assistant). ME= NA

Winthrop University
Fall 2017
ACAD 101- Principles of the Learning Academy (Co-Instructor). ME= NA
Fall 2016
ACAD 101- Principles of the Learning Academy (Co-Instructor). ME= NA

Guest Lectures
Spring 2025: Advanced Microbiology. University of South Carolina.
Spring 2025: Principles of Microbiology. University of South Carolina.
Fall 2025: Comparative Immunology. Texas State University.
Fall 2025: Advanced Microbiology. University of South Carolina.
Fall 2025: Principles of Microbiology. University of South Carolina.
Fall 2024: Disease Ecology. Yale University.
Fall 2023: Principles of Communication. University of Maryland.
Spring 2019: Freshman Evolution Seminar. Emory University.

RESEARCH MENTORSHIP

Mentored Undergraduates
USC: Sofia Vassallo (Fall 2026 –), Tybah Tymus (Fall 2026 –), Gwen Zimmerman (Fall 2026 –), Henry Roberts (Fall 2026 –), Charles Johnson (Spring 2026 –), Fredie Amos (Spring 2026 –), Aniya Ravenel (Spring 2025 –), Jesse Thompson (Spring 2025 – Spring 2026).

Yale University: Matt Appel (Senior Thesis Mentor, Fall 2023 – Spring 2024), Emma Kane (Summer 2023), Claire Turner (Summer 2023).

Emory University: Elizabeth Chong (Fall 2021 – Fall 2022), Maggie Webber (Fall 2021), Vanessa Rodriguez (Fall 2020 – Fall 2021), Hannan Syllah (Fall 2019 – Fall 2021)

Mentored Graduate Students
USC: Kathryn Little (PhD in Biological Sciences | Fall 2026 – present)

Graduate Thesis Committees
Suzannah Bozarth, MS in Biological Sciences. USC. Advisor: Tim Mousseau.

SERVICE, ENGAGEMENT, & LEADERSHIP

The Profession
Co-Chair, Access, Inclusion, & Community Committee. Society for the Study of Evolution. 2026-present
Organizer, Black at Evolution Networking and Mentorship Lunch. 2025 - present
Reviewer, National Science Foundation Graduate Research Fellowship Program. 2024
Organizer, John Edmonstone BIPOC Networking Hour. Society for the Study of Evolution. 2024-present
Diversity Committee, Society for the Study of Evolution. 2023 - 2026
Postdoctoral Fellowship Group Mentor, National Evolution Meeting. 2023 & 24
Undergraduate Diversity Mentor, National Evolution Meeting 2022,24,25, 26
Ad Hoc Reviewer for: *The Journal of Applied Microbiology*, *Evolution, Evolution Letters, Proceedings of the Royal Society B: Biological Sciences, United States Geological Survey, Animal Ecology, Health Sciences Reports*

The University
Member, University of South Carolina Judicial Council. 2026 – present
Co-Chair, Seminar Committee, University of SC Department of Biological Sciences. 2025 - present
Panelist, University of Notre Dame SROP Alumni and Career Panel. 2023
Founding Committee, Emory BLUE (Black Men at Laney United in Excellence), 2021 - 22
Selection Committee, Provost Distinguished Teaching Award, 2021
Executive Board, Emory Conference on Social Disparities, Inequities, and Injustice 2020 - 22
Asst. Research Coordinator, Emory Health Prep Summer Research Program. 2019 - 21
Coordinator, Emory PBEE Graduate Program Ethics Seminar. 2019 - 22
VP & Grad Judicial Committee Chair, Emory Laney Graduate School Student Council. 2019 - 20
Social Programming Chair, Emory Laney Graduate School Student Council. 208 - 2019

The Community
Head High School Life Sciences Judge, University of South Carolina Science & Engineering Fair. 2026
Challenger Shuttle 40th Anni. Program Speaker, Florence County (SC) School District III. 2026
High School Life Sciences Judge, University of South Carolina Science & Engineering Fair. 2025
Environmental Science Career Panel, Belmont University. 2023
Ronald E. McNair Day Speaker, Florence County (SC) School District III. 2023
Presenter, STEM in the Classroom: Atlanta Science Festival. 2021
College & Career Guest Speaker, Ridge Road Middle School. Charlotte, NC. 2021
Presenter, STEM in the Classroom: Atlanta Science Festival. 2020
Panelist, Selecting a Laboratory in Graduate School. Emory University. 2020
Career Day Speaker, Liberty Middle School. Covington, GA. 2019
Panelist, Summer Research Experience Career Panel. Emory University. 2018

PROFESSIONAL REFERENCES

1. Levi Morran, PhD
Associate Professor
Department of Biology, Emory University | Atlanta, GA
Contact: levi.morran@emory.edu

2. Paul Turner, PhD
Rachel Carson Professor of Ecology and Evolutionary Biology
Director of the Center for Phage Biology and Therapy
Department of Ecology and Evolutionary Biology, Yale University | New Haven, CT
Contact: paul.turner@yale.edu

3. Nicole Gerardo, PhD
Paul and Phyllis Fireman Professor of Biology
Director of the Graduate Division of Biological and Biomedical Sciences
Department of Biology, Emory University | Atlanta, GA
Contact: nicole.gerardo@emory.edu