

Emily N. Ostrow

Professional Summary

- › Interdisciplinary bioinformatician with experience developing, managing, funding, and publishing various genomic research projects.
- › Experienced with analysis of reduced-representation and full genomic sequences, using a broad approach to incorporate many types of data, resulting in 2 published and 2 accepted publications.
- › Excellent communicator and experienced manager of students, volunteers, and other researchers.

Personal Information

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Skills

- › Unix/Linux command line
- › Cluster computing
- › R programming
- › Data visualization
- › DNA extraction
- › Genomic Library Prep
- › PCR/qPCR

Experience

2018 - Present Graduate Research Fellow *University of Kansas*

- › Wrote effective grant proposals and communicated with stakeholders as demonstrated by raising over \$150,000 in a fellowship and small grants to fund my PhD research
- › Creative research development skills, resulting in novel host and parasite research
- › Excellent project management, managing other students to generate genomic data using hundreds of lab samples for group projects
- › Communicated complex research findings to the public by sharing work at one invited and six conference presentations
- › Wrote and published technical reports in Journals, resulting in 2 first author accepted articles and 2 published articles

2018 Graduate Teaching Assistant *University of Kansas*

- › Experienced managing large groups, having taught two courses including introductory biology and evolution.

2014 - 2018 Student Research Associate *Academy of Natural Sciences of Drexel University*

- › Lead field research for three years, resulting in over 2,000 biological samples collected for disease surveillance.
- › Designed assays for disease detection using PCR and qPCR.
- › Worked with community partners to gain financial support and access to biological samples

Education

ABD 2023 Ph.D. in Ecology and Evolutionary Biology *University of Kansas, Lawrence KS*

2018 Masters of Science in Environmental Science 2018 Bachelors of Science in Environmental Science *Drexel University, Philadelphia PA*

Selected Fellowships and Grants

- 2018 Graduate Research Fellow, *National Science Foundation*
- 2022 Ficken Research Award, *American Ornithological Society*
2021 Entomology Endowment Grant, *University of Kansas*
2021 Ornithology Department Grant, *University of Kansas*

Volunteer Positions

2022 - Present Transport Monitor *Pointer Rescue Organization*

2019 - 2022 STEM Advisory Council *Girl Scouts of NE Kansas and NW Missouri*