

Emily N. Ostrow
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Lawrence, KS 66046

EDUCATION

Ph.D. in Ecology and Evolutionary Biology University of Kansas	Started Aug 2018
MS in Environmental Science Drexel University	June 2018
BS in Environmental Science Drexel University	June 2018

RESEARCH EXPERIENCE

University of Kansas Graduate Student	2018 - Present
Academy of Natural Sciences of Drexel University (Ornithology) Research Associate	2018 - Present
Student Research Associate	2015 - 2018
Laboratory of Pinelands Research	2014 - 2015

PUBLICATIONS

Accepted

Ostrow, E. N., Decicco, L. H., Moyle, R. G. (2023). Range-wide phylogenomics of Great Horned Owls (*Bubo virginianus*) reveals deep North-South divergence across the Marañón Valley, Peru. *Molecular Phylogenetics and Evolution*

Ostrow, E. N., Catanach, T. A., Bates, J. M., Aleixo, A., Wecksetin, J. D. (2023). Species level phylogenomics of toucans and new world barbets: a test of generic monophyly and higher-level relationships in a model neotropical bird clade. *Ornithology*

Published

Deraad, D. A., Manthey, J. D., **Ostrow, E. N.**, Decicco, L. H., Andersen, M. J., Hosner, P. A., Shult, H. T., Joseph, L., Dumbacher, J. P., Moyle, R. G. (2022). Molecular Phylogenetics and Evolution Population connectivity across a highly fragmented distribution: Phylogeography of the Chalcophaps doves. *Molecular Phylogenetics and Evolution*, 166(October 2021), 107333. <https://doi.org/10.1016/j.ympev.2021.107333>

Hall, B. C., Hall, B. C., Decicco, L. H., Rush, I. N., **Ostrow, E. N.**, & Moyle, R. G. (2021). Molecular divergence among Yellow-spotted Barbet *Buccanodon duchaillui* populations suggests unrecognised diversity. *Bulletin of The British Ornithologists Club*, 141(3), 357–362.

PRESENTATIONS

Invited Talks

E. N. Ostrow, L. H. DeCicco, M. Carlson, K. Winker, C. Witt, R. G. Moyle. Great Horned Owl diversity in the Americas and Kansas. Wichita Audubon. Wichita, KS. April 2022.

Talks

E. N. Ostrow, L. H. DeCicco, M. Carlson, R. G. Moyle. Birds as Islands: Using an avian contact zone to investigate their parasite population structure. Evolution Meeting. Cleveland, OH. June 2022

E. N. Ostrow, L. H. DeCicco, R. G. Moyle. Great Horned Owl Diversity at three scales. Midwest Ecology and Evolution Conference. Online. March 2022.

Talks

E. N. Ostrow, L. H. DeCicco, M. B. Robbins, R. G. Moyle. Great Horned Owl Diversity in the Americas and in Kansas. Kansas Ornithological Society Meeting. Online. October 2020.

E. N. Ostrow, T. A. Catanach, J. M. Bates, A. Aleixo, J. D. Weckstein. New World Toucans and Barbets: Understanding the Biogeographic History of the Neotropics. American Ornithological Society Meeting. Anchorage, AK. June 2019.

E. N. Ostrow, T. A. Catanach, J. M. Bates, A. Aleixo, J. D. Weckstein. New World Toucans and Barbets: Understanding the Biogeographic History of the Neotropics. Kansas Ornithological Society Meeting. Lawrence, KS. October 2018.

E. N. Ostrow, J. D. Weckstein. New World Toucans and Barbets: Understanding the Biogeographic History of the Neotropics. Masters Thesis Defense. Philadelphia, PA. June 2018.

E. N. Ostrow, B. D. Marks, D. E. Willard, J. D. Weckstein. Birds as potential vectors of *Borrelia*. Week of Undergraduate Excellence. Philadelphia, PA. May 2017

E. N. Ostrow, B. D. Marks, D. E. Willard, J. D. Weckstein. Birds as potential vectors of *Borrelia*. National Undergraduate Research Conference. Memphis, TN. April 2017

E. N. Ostrow, B. D. Marks, D. E. Willard, J. D. Weckstein. Birds as potential vectors of *Borrelia*. Fall Field Experience. Barnegat NJ. September 2016

E. N. Ostrow, B. D. Marks, D. E. Willard, J. D. Weckstein. Birds as potential vectors of *Borrelia*. North American Ornithological Conference. Washington, DC. August 2016

E. N. Ostrow, J. D. Weckstein. Birds as potential vectors of *Borrelia*. Nerd Night. Philadelphia, PA. July 2016

E. N. Ostrow, J. D. Weckstein. Birds as potential vectors of *Borrelia*. Drexel University BEES Department Research Day. Philadelphia, PA. March 2016

Poster Presentations

E. N. Ostrow, D. A. DeRaad, S. M. Baca, E. Shogren, J. Sardell, J. A. Uy, R. G. Moyle. Population genomics of *Myzomela* honeyeaters in the Solomon Islands. Evolution Meeting. Cleveland, OH. June 2022

E. N. Ostrow, J. Wnek, W. F. Bien. Hatchling and juvenile diamondback terrapin (*Malaclemys terrapin*) prey availability in two marshes in the Barnegat bay ecosystem. Colonial Academic Alliance. Philadelphia, PA March 2015

E. N. Ostrow, J. Wnek, W. F. Bien. Hatchling and juvenile diamondback terrapin (*Malaclemys terrapin*) prey availability in two marshes in the Barnegat bay ecosystem. National Collegiate Research Conference. Cambridge, MA. January 2015

E. N. Ostrow, M. E. Smith, J. Wnek, W. F. Bien. Hatchling and juvenile diamondback terrapin (*Malaclemys terrapin*) prey availability in two marshes in the Barnegat bay ecosystem. STAR Scholar Showcase. Philadelphia, PA. August 2014

GRANTS AND AWARDS

Large Grants

National Science Foundation Graduate Research Fellowship 2018 - Present

Small Grants

American Ornithological Society Ficken Research Award 2022
Panorama Grant 2022
Panorama Grant 2021
University of Kansas Ornithology Department Grant 2021
University of Kansas Entomology Endowment Grant 2021
University of Kansas Tinker Award 2020
Kansas Ornithological Society Student Research Fund 2020
Panorama Grant 2019, 2021
EEB Travel Award 2019
NAOC Travel Award, Cooper Ornithological Society 2016
Arcadia Foundation Scholarship, Arcadia Foundation 2015
Marion Espenshade Endowed Scholarship, Drexel BEES Dept. 2015

Awards

Fulbright Semi-Finalist/Alternate (Colombia) Spring 2018
Spanish Language Intermediate Proficiency Certificate Spring 2018
Barry M. Goldwater Scholarship Honorable Mention Spring 2017
Pennoni Honors College, Drexel University 2013 - 2018
AJ Drexel Scholarship, Drexel University 2013 - 2018
Drexel University FIRST Robotics Scholarship, Drexel University 2013 - 2018

TEACHING AND PUBLIC OUTREACH

Guest Lecture

Using R with Phylogenies Fall 2019

Graduate Teaching Assistant

Biology 150 - Principles of Molecular and Cellular Biology Fall 2018
Biology 412 – Evolution Spring 2019

Undergraduate Teaching Assistant

Field Ornithology Spring 2017
Marine Field Methods Summer 2014

Public Outreach

Girl Scouts of Kansas City STEM Committee Member 2019 - 2022
KU Graduate Student Organization Events (6) 2018 - Present
KU Ornithology Collection Tours 2019 - Present
ANSP Ornithology Collection Tours 2015 - 2018
Featured in The Sycamore (Willistown Conservation Trust) 2017
Photographs published in ANSP 2015-16 Annual Report 2016
Academy of Natural Sciences Members Night 2015 - 2017

Fall Field Experience (for incoming freshmen)
Rushton Woods Public Outreach

2015 - 2017
2015 - 2017