

**Emily N. Ostrow**  
Department of Ecology and Evolutionary Biology,  
University of Kansas  
1345 Jayhawk Blvd  
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EDUCATION

<b>Ph.D. in Ecology and Evolutionary Biology</b> University of Kansas	<b>ABD 2023</b>
<b>MS in Environmental Science</b> Drexel University	<b>June 2018</b>
<b>BS in Environmental Science</b> Drexel University	<b>June 2018</b>

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

**Under Review**

**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. *PeerJ*

**Ostrow, E. N.**, Musher, L. J., Winker, K., Mattison, P. M., Witt, C. C., Moyle, R. G. (2023). Late Pleistocene diversification implicated by continent-wide population structure in the Great Horned Owl. *Journal of Biogeography*

**Published**

**Ostrow, E. N.**, Catanach, T. A., Bates, J. M., Aleixo, A., Wecksetin, J. D. (2023). Phylogenomic analysis confirms the relationships among toucans, toucan-barbets, and New World barbets but reveals paraphyly of *Selenidera* toucanets and evidence for mitonuclear discordance. *Ornithology*

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
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##### **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 Espenschade 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
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##### **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)	2015 - 2017
Rushton Woods Public Outreach	2015 - 2017