

Emily N. Ostrow

Department of Biodiversity, Earth, and Environmental Science,
Academy of Natural Sciences,
Drexel University
1900 Benjamin Franklin Parkway
Philadelphia, PA 19103
Email: emily.n.ostrow@drexel.edu

EDUCATION

MS in Environmental Science

Drexel University

Expected June 2018

BS in Environmental Science

Drexel University

Expected June 2018

RELEVANT SKILLS

Laboratory: DNA Extraction, PCR, nested PCR, qPCR, Gel Electrophoresis, Avian Study Skin Preparation, Blood Sampling, Blood Slide Preparation, mist net operation

Software: ArcGIS, Geneious, CodonCode, Seaview, PAUP*, Phyluce, Bowtie2, FigTree, EstimateS, Adobe Suite (Photoshop, Dreamweaver, Premier), Microsoft Office (Word, Excel, Power Point)

Programming Languages: HTML (proficient), R (basic), DOS (basic), CSS (basic)

FIELD EXPERIENCE

Rushton Woods Banding Station (Songbirds): Chester Co., PA
Northern Saw-Whet Owls

Spring 2015-Fall 2016

Fall 2015, Fall 2016, Fall 2017

Collecting Trip: Nueva Segovia, Nicaragua

Summer 2016 (3 weeks)

Collecting Trip: Bucks Co., PA

Spring 2017

Summer 2015 (1 week)

Diamondback Terrapin Conservation and Ecology

Summer 2014

Northern Pine Snake Ecology

Spring 2013-Summer 2015

RESEARCH EXPERIENCE

Academy of Natural Sciences Student Research Associate

Winter 2015 - Present

Laboratory of Pinelands Research Member

Winter 2014 - Fall 2015

STAR (Students Tackling Advanced Research) Scholar

Summer 2014

Bioko Lab Volunteer

Fall 2013

Paleontology Lab Volunteer

Fall 2013 - Fall 2014

PRESENTATIONS

Talks

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, 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

AWARDS AND GRANTS

Awards

ANSDU Student Research Associate Appointment	Spring 2017
Barry M. Goldwater Scholarship Honorable Mention	Spring 2017
Acceptance to Bachelors/Masters thesis accelerated program	Winter 2015
Dean's List, Drexel University	Fall 2013 - Present
Pennoni Honors College, Drexel University	Fall 2013 - Present
AJ Drexel Scholarship, Drexel University	Fall 2013 - Present
Drexel University FIRST Robotics Scholarship, Drexel University	Fall 2013 – Present

Grants

NAOC Travel Award, Cooper Ornithological Society	August 2016
Arcadia Foundation Scholarship, Arcadia Foundation	August 2015
Marion Espenschade Endowed Scholarship, Drexel Bees Dept.	May 2015

TEACHING AND PUBLIC OUTREACH

Undergraduate Course Assistant

Field Ornithology	Spring 2017
Marine Field Methods	Summer 2014

Public Outreach

Ornithology Collection Tours	Winter 2015 - Present
Featured in The Sycamore (Willistown Conservation Trust)	Spring 2017
Photographs published in ANSP 2015-16 Annual Report	Fall 2016

Academy of Natural Sciences Members Night
RA for Fall Field Experience (for incoming freshmen)
Rushton Woods Public Outreach
Project Terrapin Public Outreach

Fall 2015, Fall 2016, Fall 2017
Fall 2015, Fall 2016, Fall 2017
Spring 2015 - Fall 2017
Summer 2014