

Lucy Zipf

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EDUCATION

- Ph.D. **Boston University**, Boston, MA
PhD in Biology: Ecology, Behavior & Evolution, 2020
Effects of climate change, habitat, and conservation management on an aerial insectivore, the tree swallow, and their insect prey in Massachusetts, USA
- Sc.B. **Brown University**, Providence, RI
Environmental Science, 2013

PROFESSIONAL EXPERIENCE

- 2020-2021 **Visiting Lecturer in Environmental Studies**, Wellesley College, Wellesley, MA
- 2015-2019 **Editorial Assistance**, Biological Conservation
- 2015 **Research Technician**, Nature Conservancy Nags Head, NC
- 2013 – 2015 **Research Technician**, University of North Carolina Chapel Hill's Institute of Marine Sciences, Morehead City, NC
- 2012 – 2013 **Barnegat Bay Student Grant Program Researcher**,
Save Barnegat Bay and the New Jersey Department of Environmental Protection
- 2012 **Research Assistant**, Edison Wetlands Association
- 2012 **Research Assistant**, Dr. Heather Leslie's Lab, Brown University, Providence, RI
- 2010-2012 **Environmental Educator**, New Jersey Audubon

PEER REVIEWED PUBLICATIONS

- Zipf L**, R.B. Primack, M. Rothendler. Mapping noise pollution in cities and protected areas with smartphones *In Press at PLOS ONE*
- McDonough MacKenzie C, Gallinat A, and **Zipf L**. 2020. Low-cost observations and experiments return a high value in plant phenology research. *Applications in Plant Sciences*, DOI: doi.org/10.1002/aps3.11338
- Smith L, Primack RB, **Zipf L**, Pardo S, Gallinat AS, Panchen ZA. 2019. Leaf longevity in temperate evergreen species is related to phylogeny and leaf size. *Oecologia*, DOI: 10.1007/s00442-019-04492-z.
- Primack RB, Regan TJ, Devictor V, **Zipf L**, Godet L, Loyola R, Maas B, Pakeman RJ, Cumming GS, Bates AE, Pejchar L, Koh LP. 2019. Are scientific editors reliable gatekeepers of the publication process? *Biological Conservation*. DOI: 10.1016/j.biocon.2019.108232
- Zipf L**, Primack RB. 2017. Humidity does not appear to trigger leaf out in woody plants. *International Journal of Biometeorology*. DOI: 10.1007/s00484-017-1428-8
- Zipf L**, Williams E, Primack RB, Stichter S. 2017. Climate effects on late-season flight times of Massachusetts butterflies. *International Journal of Biometeorology*. DOI: 10.1007/s00484-017-1347-8

Primack RB, **Zipf L**. 2016. Acceptance rates and number of papers in Biological Conservation from 2005 to 2014 for Australia, Brazil, China, India, Spain, and the United States: Trends or noise? *Biological Conservation*, 196:49-51. DOI: 10.1016/j.biocon.2016.01.016

ACADEMIC HONORS

2016-2020	Teaching Fellowship, Boston University
Fall 2015	Dean's Fellowship, Boston University
2013	Magna Cum Laude, Brown University
2012-2013	Voss Environmental Fellowship

FELLOWSHIPS AND AWARDS

2019	BU Biology Department Travel Awards (\$500)
2019	BU Biology Department Travel Awards (\$500)
2018 + 2019	BU Teaching Mentor (\$1,000)
2018	Mass Audubon Fellow (\$8,000)
2017	Mass Audubon Fellow (\$15,000)
2015	Atlantic Estuarine Research Society Student Travel Grant (\$270)

RESEARCH GRANTS

2020	BU Biogeosciences Program. <i>Are we mismanaging bird sanctuaries in the face of global change? Investigating the effect of placement and maintenance of artificial nest boxes on reproductive success of a cavity nesting bird in Massachusetts conservation areas</i> (\$675)
2018	Blake-Nuttall Fund Grant with Mass Audubon. <i>Updating a unique historic insect abundance data set to determine the direction and magnitude of change in prey availability to diurnal aerial insectivores</i> . Co-PI with Les Kaufman, Boston University, and Elissa Landre, Mass Audubon (\$4,000)
2017	Blake-Nuttall Fund Grant. <i>The impact of climate change and insect availability on Tree Swallow reproductive phenology and success in a New England conservation area</i> (\$2,340)
2016	Mass Audubon Summer Fellowship. <i>Citizen science programs reveal climate driven shifts in nesting bird reproduction</i> (\$5,000)
2016	Maine Sea Grant Program Development Grant (\$2,000)
2012	Save Barnegat Bay Barnegat Bay Student Research Grant (\$1,500)

TEACHING

Teaching Fellow

2020	BI407 "Animal Behavior," Boston University Biology Department 20 students total, 2 class periods weekly, remote
2020	BI303 "Evolutionary Ecology", Boston University Biology Department

- 36 students total, 2 weekly laboratory sections
- 2019 BI407 “Animal Behavior”, Boston University Biology Department
39 students total, 2 weekly laboratory sections
- 2019 BI303 “Evolutionary Ecology”, Boston University Biology Department
36 students total, 2 weekly laboratory sections
- 2018 BI407 “Animal Behavior”, Boston University Biology Department
40 students total, 2 weekly laboratory sections
- 2018 BI303 “Evolutionary Ecology”, Boston University Biology Department
41 students total, 2 weekly laboratory sections
- 2017 BI407 “Animal Behavior”, Boston University Biology Department
43 students total, 2 weekly laboratory sections
- 2017 BI303 “Evolutionary Ecology”, Boston University Biology Department
40 students total, 2 weekly laboratory sections
- 2016 BI523 “Marine Urban Ecology”, Boston University Marine Program
12 students, 4-week block class with daily lecture +lab
- 2016 BI303 “Evolutionary Ecology”, Boston University Biology Department
36 students total, 2 weekly laboratory sections

Guest Lecturer

- 2020 WR150 “Writing, Research, and Inquiry”, Boston University Biology Department
- 2020 BI303 “Evolutionary Ecology”, Boston University Biology Department
- 2019 BI414 “Ornithology”, Boston University Biology Department
- 2019 WR150 “Writing, Research, and Inquiry”, Boston University Biology Department
- 2019 BI448 “Biodiversity and Conservation Biology”, Boston University Biology Department
- 2018 BI448 “Biodiversity and Conservation Biology”, Boston University Biology Department
- 2018 BI303 “Evolutionary Ecology”, Boston University Biology Department

PRESENTATIONS

Invited

- 2020 Friends of the Fells • *Medford, MA*
“Leafing out with Lucy Zipf” (link: <https://www.youtube.com/watch?v=7GmaXeqhmkM>)
- 2020 Science on Screen Jr. at the Coolidge Corner Theatre • *Boston, MA*
“What Darwin taught us about evolution, and what we have learned since”
- 2019 Girl Scouts of Allston-Brighton, MA Presentation • *Boston, MA*
“Challenges faced by Boston birds, and how we can help!”
- 2017 Climate Change Speaker Seminar Series Emerson College • *Boston, MA*
“Climate Change Research with Mass Audubon”

Contributed

- 2020 Biogeosciences Symposium • *Boston, MA*
 “Are Massachusetts conservation areas in an insect apocalypse?”
- 2020 Boston University Biology Seminar • *Boston, MA*
 “Impacts of habitat on Tree Swallow reproduction in Massachusetts conservation areas”
- 2019 Joint meeting of the Association of Field Ornithologists and the Wilson Ornithological Society • *Cape May, NJ*
 “Spring temperature and precipitation important determinants of reproductive phenology and success for a migratory aerial insectivore” and
 “Updating a unique historic insect data set to assess prey availability to diurnal aerial insectivores”
- 2019 Boston University Biology Seminar • *Boston, MA*
 “Impacts of Climate Change, Habitat Management, and Prey Availability on Tree Swallow Reproductive Success”
- 2019 Ecological Society of America • *Louisville, KY*
 “Aerial Insectivore Response to Global Change”
- 2018 Boston University Biology Seminar • *Boston, MA*
 “A Synthesis of Aerial Insectivore Response to Global Change”
- 2018 Mass Audubon Natural History Conference • *Lincoln, MA*
 “Utilizing citizen science data for climate change research”
- 2018 Mass Audubon Science Communication Committee • *Natick, MA*
 “Utilizing citizen science data for climate change research at Broadmoor Wildlife Sanctuary”
- 2018 BU Biology Graduate Student Association Symposium • *Boston, MA*
 “Mapping noise pollution in urban & conservation areas with citizen scientists”
- 2017 Massachusetts Natural History Conference • *Lincoln, MA*
 “Citizen science data show that Tree Swallow phenology and reproductive success are responsive to climate variation at Broadmoor Wildlife Sanctuary”
- 2017 BU Biogeosciences Symposium • *Boston, MA*
 “Humidity does not appear to trigger leaf out in woody plants”
- 2016 BU Biogeosciences Symposium • *Boston, MA*
 “The value of citizen science data in discerning climate effects on the autumn flight period of butterflies in Massachusetts”
- 2015 Atlantic Estuarine Research Society • *Kill Devil Hills, NC*
 “Demographics of non-tidal *Juncus roemerianus* dominated marshes in western Pamlico Sound”
- 2014 UNC-CH IMS Student Symposium • *Morehead City, NC*
 “Nekton Use of *Juncus roemerianus* Dominated Marshes in Western Pamlico Sound”
- 2013 Brown University Environmental Studies Student Symposium • *Providence, RI*
 “The Assessment and Remediation of Water Quality in Barnegat Bay”
- 2013 Barneget Bay Partnership Meeting • *Point Pleasant, NJ*
 “Mill Creek as a Model for the Assessment and Remediation of Barnegat Bay Tributary Water Quality”
- 2012 Save Barnegat Bay Symposium • *Stafford Township, NJ*
 “Ammonia Source Tracking along the Mill Creek”

PROFESSIONAL AFFILIATIONS

Ecological Society of America
Association of Field Ornithologists
Wilson Ornithological Society

PROFESSIONAL SERVICE

Reviewership

Global Change Biology
Biological Conservation
BioScience

Leadership

Graduate Student Social Coordinator (2016-2020)
BU Biology Graduate Students Association Social Chair (2015-2019)
BU Biogeosciences Symposium Coordinator (2018-2020)

Mentorship

First Year Teaching Fellow Mentor, BU Biology (2019+2020)

Outreach

Mass Audubon Science Advisory (2016-2019)
Friends of the Blue Hills (2016-2018)
Newton Conservators (2016-2018)
BIOBUGS (2016-2017)
North Carolina Science Festival Coordinator (2013-2015)

Organizational committees

BU Biogeosciences Program (2016-2020)
BU Biology Graduate Students Association (2015-2019)

UNDERGRADUATE MENTEES

Lab and Field Research Assistants

Thor Brietbarth, Boston University (2020)
Elliot Snow, Boston University (2019)
Dylan Hale, Boston University (2017-2018)
Dillon Travis, Boston University (2015-2017)
Melissa Russo, Boston University (2015-2017)
Kristen Oliver, UNC-Chapel Hill (2014)

Thesis

Carina Terry, Boston University (2019-2020)

Can We Escape the Urban Noise? Noise Pollution and its Sources in Natural Areas near Boston, MA –

Recipient of Francis Bacon Award for Writing Excellence in the Natural Sciences

Linnea Smith, Boston University (2017-2018)

Leaf longevity in temperate evergreen species is related to phylogeny and leaf size