LIAM ULYSSES TAYLOR
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Education

2018-Present Ph.D. Candidate in Ecology and Evolutionary Biology. Yale University.
Advisor: R. Prum. *Committee*: C. Dunn, M. Muñoz, S. Stearns
2017 A.B. with Honors in Biology, *summa cum laude.* Bowdoin College, Brunswick, ME.

Peer-Reviewed Publications

(* denotes co-first authorship)

Schaedler, L.*, **Taylor, L.*,** and M. Anciães. *In Review at Integrative and Comparative Biology*. Constraint and function in the predefinitive plumages of manakins (Aves: Pipridae).

Taylor, L.U., E. Benavides, J.W. Simmons, and T.J. Near. *In Review at Molecular Ecology***.** Genomic and phenotypic divergence informs translocation strategies for an endangered freshwater fish.

Taylor, L.U., B.K. Woodworth, B.K. Sandercock, and N.T. Wheelwright. 2018. Demographic drivers of collapse in an island population of Tree Swallows. The Condor 120(4):828-841.

Wheelwright, N.T., **L.U. Taylor**, B.M. West, E.R. Voss, S.Y. Berzins, A.R. Villeneuve, H.R. LeBlanc, V.B. Leos, S.J. Mayne, S.A. McCarthy, S.J. Nagar, and J.S. Watling. 2017. Pupation site selection and enemy avoidance in the Introduced Pine Sawfly (*Diprion similis*). Northeastern Naturalist 24(Sp. 7):B19-B31.

Other Publications

Taylor, L., N. Oakley, and D. McDonald. 2020. Golden-winged Manakin (*Masius chrysopterus*), version 1.0. In Birds of the World (T. S. Schulenberg, Editor). Cornell Lab of Ornithology, Ithaca, NY, USA.

Taylor, L.U. and L.E. Michael. 2018. Methods for Young Fieldworkers. The Bulletin of the Ecological Society of America 99(2):169-172.

Presentations and Posters

2021 **Taylor, L.U.** Selection as an act and a process. Presentation for Animalhouse: Animals and Their Environs. Philosophy Department, The New School for Social Research.
2020 **Taylor, L.U.** Life history lessons for delayed plumage maturation. Presentation for the North American Ornithological Conference. Virtual.
2019 **Taylor, L.U.** and R.A. Mauck. Coordination, conflict, and neglect in biparental storm-petrel incubation. Poster for the American Ornithological Society. Anchorage.
2019 **Taylor, L.U.** and P. Kockelman. The Semiotics of Evolution. Poster for the Ecology and Evolutionary Biology Departmental Symposium. Yale University.
2017 **Taylor, L.U.** Demography of a collapsing aerial insectivore population. Presentation for the Department of Biology Honors Seminar. Bowdoin College.
2016 **Taylor, L.U.** A framework for mammalian and insect spatial systems. Presentation for the Department of Computer Science Summer Research Seminar. Bowdoin College.
2016 **Taylor, L.U.** and E. Chown. A framework for understanding spatial reasoning. Poster for the Presidential Research Symposium. Bowdoin College.

2015 **Taylor, L.U.** and R.A. Mauck. Biparental incubation coordination of the Leach's Storm-petrel (*Oceanodroma leucorhoa*). Poster for the Presidential Research Symposium. Bowdoin College.

Associated Presentations and Posters

2020 Schaedler, L.M. (presenting), **L.U. Taylor**, and M. Anciães. Delayed plumage maturation in manakins: a review on its patterns and functions. Presentation for the Society for Integrative and Comparative Biology. Virtual.

2020 Near, T.J. (presenting), **L.U. Taylor**, and J.W. Simmons. Genomics and museomics inform translocation strategies in the endangered Bluemask Darter, *Etheostoma akatulo*. Presentation for the Southeastern Fishes Council. Virtual.

2019 Benavides, E. (presenting), **Taylor, L.U.** (poster), J. Simmons, D. Macguigan, C. Parker, D. Kim, and T.J. Near. Genome-wide population structure at microgeographic scales in the endangered Bluemask Darter (*Etheostoma akatulo*) from the Caney Fork River System. Poster for the Society for the Study of Evolution. Providence.

2017 Wheelwright, N.T. (presenting), **L.U. Taylor,** B.K. Woodworth, and B.K. Sandercock. Demographic collapse of an island Tree Swallow (*Tachycineta bicolor*) population. Presentation for the American Ornithological Society. East Lansing.

2016 McCarthy, S.A., S.Y. Berzins, H.R. LeBlanc, V.B. Leos, S.J. Mayne, S.J. Nagar, **L.U. Taylor**, A.R. Villeneuve, E.R. Voss, J.S. Watling, B.M. West, and N.T. Wheelwright. Pupation site selection and enemy avoidance in the Introduced Pine Sawfly. Poster for Advanced Winter Field Ecology. Bowdoin College.

Teaching

2020 (Jun 23) *Guest instructor*. "Getting comfortable with R programming." Ecology and Evolutionary Biology Department Undergraduate Seminar. Yale University.

2020 (Mar 6) *Guest lecturer*. "Religion, politics, and sexual selection." Contemporary Issues in Biology Course. Hopkins High School, New Haven, CT.

2019 (Fa) *Teaching fellow*. Evolution and Medicine Course (Writing Intensive). Department of Ecology and Evolutionary Biology. Yale University. With Dr. S. Stearns.

2019 (Sp) *Teaching fellow*. Ornithology Course (Lecture and Lab). Department of Ecology and Evolutionary Biology. Yale University. With Dr. R. Prum.

2018 (Fa) *Teaching fellow.* Introduction to Evolution and Ecology. Department of Ecology and Evolutionary Biology. Yale University. With Dr. T. Near.

2017 (Sp) *Head tutor*. Department of Computer Science. Bowdoin College.

2014-2017 *Teaching assistant*. Data Structures, and Introduction to Computer Science Courses. Department of Computer Science. Bowdoin College.

Research Grants and Awards

2018-Present Graduate Research Fellowship (NSF GRFP). National Science Foundation, USA.

2021 American Society of Naturalists Student Research Award

2019 Franke Interdisciplinary Research Award. Franke Program in Science and the Humanities. Yale University.

2019 Student Membership Award. American Ornithological Society.

2016 Bowdoin Research Award. Bowdoin College.

2016 Surdna Summer Research Fellowship. Bowdoin College.

2016 Roberts Fund and Grua/O'Connell Fund Mini-grants. Bowdoin College.

2014-2015 Summer Research Fellowship. Bowdoin Scientific Station, Kent Island, New Brunswick.

Honors

2019	Student Membership Award. American Ornithological Society.
2018	Sterling Prize. Department of Ecology and Evolutionary Biology. Yale University. (Awarded to the department's top application candidate).
2017	Donald and Harriet S. Macomber Prize in Biology. Department of Biology. Bowdoin College. (Awarded to the outstanding senior in Biology).
2017	Phi Beta Kappa Society.
2016	Goldwater Scholar. Barry Goldwater Excellence in Education Foundation. [Please note: Goldwater opposed the Civil Rights Act of 1964. Dr. Martin Luther King wrote that "Mr. Goldwater articulate[d] a philosophy which gives aid and comfort to the racists."]
2016	James Malcolm Moulton Prize in Biology. Department of Biology. Bowdoin College. (Awarded to the outstanding junior in Biology).
2016	Sarah and James Bowdoin Day Speaker. "Attention and the Life of the Brain."
2014,2016	Bowdoin Book Award. Bowdoin College. (Awarded for GPA of 4.00).
2014-2016	Sarah and James Bowdoin Scholar. Bowdoin College. (Awarded for top 20% GPA).

Community

Current Societies: American Ornithological Society; American Society of Naturalists; Association of Field Ornithologists; The Waterbird Society

Peer Review: Yale Undergraduate Research Journal

2020-Present	*Co-founder*. Meaning in Evolution and Ecology Collective. Yale University.
2020-Present	*Participating member*. Student Affairs Committee. American Ornithological Society.
2020-Present	*Volunteer*. Franke-MIT Full STEAM Ahead Program. Franke Program in Science and the Humanities. Yale University.
2019-Present	*Organizer*. Graduate Student Speakeasy Series. Department of Ecology and Evolutionary Biology, Yale University.
2018	*Volunteer*. Peabody Museum of Natural History. Yale University.
2018 (Fa)	*Banding volunteer*. Connecticut Audubon Birdcraft Sanctuary.
2016-2017	*Co-head*. Huntington Bird Club. Bowdoin College.
2014-2015	*Member*. Northern Bites RoboCup Team. Bowdoin College.

Technical Skills

Fieldwork	Netting, banding, bleeding, telemetry, and field ID for birds. Decent attitude.
Field studies	Golden-winged Manakins, Leach's Storm-Petrels, Semipalmated Plovers.
Benchwork	Tissue DNA extractions (fish, birds), PCR, ddRAD-seq library preparation.
Programming	Proficient: R and C++. Experienced: Python. Familiar: C, Java, Javascript, JAGS.