

(updated 041019)

Ethan Linck

Ph.D. Candidate
University of Washington Dept. of Biology
Burke Museum of Natural History & Culture
6800 27th Ave NE Unit 1, Seattle, WA 98115
phone: (802) 777-6662
email: elinck@uw.edu
web: <https://elinck.github.io/>

Education

Ph.D. 2014 - 2019 (*expected*). **University of Washington**, Seattle, WA

B.A. 2009 - 2013. **Reed College**, Portland, OR

Publications

Linck, E., Epperly, K., van Els, P., Spellman, G.M., Bryson Jr., R.W., Canales-del-Castillo, R., McCormack, J.E., Klicka, J. In press. Dense geographic and genomic sampling reveals paraphyly and a cryptic lineage in a classic sibling species complex. (*Systematic Biology*.) *bioRxiv* DOI: 10.1101/491688

Linck, E., Battey, C.J. In press. Minor allele frequency thresholds strongly affect population structure inference with genomic datasets. *Molecular Ecology Resources*. DOI: 10.1111/1755-0998.12995

Linck, E., Huber, H.C., Greeney, H.F., Sheldon, K.S. 2019. Nesting biology of the Blue-and-white Swallow (*Pygochelidon cyanoleuca*) in northeastern Ecuador. *Ornitología Neotropical* 30, 5-10.

Battey, C.J., **Linck, E.**, Epperly, K.L., French, C., Slager, D., Klicka, J. 2018. A Migratory Divide In The Painted Bunting (*Passerina ciris*). *The American Naturalist* 191(2), 259-268. DOI: 10.1086/695439

Linck, E., Hanna, Zachary R., Sellas, A., Dumbacher, J.P. 2017. Evaluating hybridization capture with RAD probes as a tool for museum genomics with historical bird specimens. *Ecology and Evolution* 7(8). DOI: 10.1002/ece3.3065

Linck, E., Bridge, E.S., Duckles, J., Navarro-Sigenza, A.G., Rohwer, S. 2016. Assessing migration patterns in Painted Buntings using the world's bird collections as an aggregated resource. *PeerJ* 4:e1871. DOI: 10.7717/peerj.1871

Linck, E., Schaack, S., Dumbacher, J. 2015. Genetic differentiation within a widespread "supertramp" taxon: molecular phylogenetics of the Louisiade White-eye (*Zosterops griseotinctus*). *Molecular Phylogenetics and Evolution* 94(A), 113-121. DOI: 10.1016/j.ympev.2015.08.018

Linck, E. 2010. Notes on birds and logistics from the south side of Mount Giluwe, SHP. *Muruk* 10(1), 4-7.

Preprints

Linck, E., Freeman, B.G., Dumbacher, J.P. 2019. Speciation with gene flow across an elevational gradient in New Guinea kingfishers. *bioRxiv*. DOI: 10.1101/589044 (In review, *PNAS*.)

Linck, E., Fricke, E., Rogers, H. Varied abundance and functional diversity in the surviving bird communities of the Mariana Islands. Available on request. (In review, *The Wilson Journal of Ornithology*.)

Grants & Awards

John S. Edwards Endowed Fund in Biology. 2018. \$1,500.

Hoag Endowed Graduate Fellowship. 2018. \$1,500.

American Museum of Natural History Chapman Grant. 2018. \$2,000.

American Ornithological Society Travel Award. 2018. \$300.

NSF Doctoral Dissertation Improvement Grant. 2017. \$20,084.

NDSEG Fellowship. 2016. \$172,000.

WRF-Hall Fellowship. 2016. \$13,000.

WRF-Hall Supplemental Funds. 2016. \$5,100.

AOU Student Membership Award. 2015. \$25.

Society of Systematic Biologists Graduate Student Research Award. 2015. \$1,500

Reed College BURP Fund. 2012. \$1,500.

Reed College Arch and Fran Diack Student Field Research Fund. 2010. \$4,200.

Explorers Club Youth Activity Fund. 2009. \$1,500.

Teaching Experience

Biology 472: Community Ecology. Fall 2015. Teaching Assistant. Department of Biology, University of Washington.

Biology 452: Vertebrate Biology. Summer 2015. Teaching Assistant. Department of Biology, University of Washington.

Biology 200: Introductory Biology II. Fall 2014. Teaching Assistant. Department of Biology, University of Washington.

Biology 180: Introductory Biology I. Winter 2015, Spring 2015, Winter 2016. Teaching Assistant. Department of Biology, University of Washington.

Biology 366: Population Ecology and Evolution. Teaching Assistant. Spring 2013. Department of Biology, Reed College.

Undergraduate Researcher Mentorship. Spring 2017 - present. M. Tofflemire, S. Aeluro.

Honors

NSF GRFP Honorable Mention. 2016.

NSF GRFP Honorable Mention. 2015.

Commendation for Excellence, Reed College Junior Qualifying Exam. 2011.

Appointments

National Defense Science and Engineering Graduate Fellow. 2016 - 2019. US Department of Defense.

Contributing Writer. 2016 - present. *The Molecular Ecologist*.

Visiting Researcher. 2016. Department of Ornithology & Mammology, California Academy of Sciences.

WRF-Hall Fellow. 2016. Department of Biology, University of Washington.

Curatorial Assistant. 2016. Burke Museum of Natural History & Culture, University of Washington.

Teaching Assistant. 2014-2016. Department of Biology, University of Washington.

Research Assistant. 2014. Museum of Natural History, University of Colorado Boulder.

Winter Caretaker. 2013-2014. Rocky Mountain Biological Laboratory.

NSF REU Student. 2013-2014. Summer Systematics Institute, California Academy of Sciences.

Teaching Assistant. 2013. Department of Biology, Reed College.

Research Assistant. 2012. Department of Biology, University of Utah.

NSF REU Student. 2011. Department of Biology, University of Washington.

Invited Presentations

Linck, E. 2019. Confronting the Recreation-Conservation Divide: A Dialogue (Stegner Lecture). University of Utah Law School Wallace Stegner Center 24th Annual Symposium - Recreation Challenges on Public Lands, Salt Lake City, UT.

Linck, E. 2019. Natural selection, gene flow, and complexity in avian speciation. Pacific Lutheran University Biology Seminar, Tacoma, WA.

Linck, E. 2018. Outdoor Recreation and Land Ethics for the 21st Century. Restoring the West: Multiple Use and Sustained Yield of Resources on Public Land: Is It Still Possible?, Logan, UT.

Linck, E., Freeman, B.G., Dumbacher, J., Klicka, J. 2018. What we talk about when we talk about speciation with gene flow in birds. University of New Mexico Brown Bag Seminar, Albuquerque, NM.

Linck, E., Freeman, B.G., Dumbacher, J., Klicka, J. 2017. Why are there so many bird species in tropical mountains? Insights from genomics and New Guinea kingfishers. University of the South Pacific PaCE-SD Seminar, Suva, Fiji.

Other Academic Presentations

Linck, E., Battey, C.J.. 2018. One weird trick to break *structure*: Derived allele frequencies and the accurate inference of ancestry. Graduate Student Symposium, UW Biology, Seattle, WA.

Linck, E., Freeman, B.G., Dumbacher, J., Klicka, J. 2018. Ecological speciation across an elevational gradient in New Guinea Kingfishers? American Ornithological Society Meeting, Tucson, AZ.

Battey, C.J., **Linck, E.,** Epperly, K.L., French, C., Slager, D., Klicka, J. 2017. A Migratory Divide In The Painted Bunting (*Passerina ciris*). (Presenting author.) Rocky Mountain Biology Laboratory Graduate Student Talks, Gothic, CO.

Battey, C.J., **Linck, E.,** Epperly, K.L., French, C., Slager, D., Klicka, J. 2017. A Migratory Divide In The Painted Bunting (*Passerina ciris*). (Co-presented poster.) Evolution Meetings, Portland, OR.

Linck, E. 2017. Phenotype, species limits, and adaptation in a New Guinea kingfisher. Graduate Student Symposium, UW Biology, Seattle, WA.

Linck, E., Bridge, E.S., Duckles, J., Navarro-Sigenza, A.G., Rohwer, S. 2016. Assessing migratory behavior in Painted Buntings with specimen collections and remote sensing data. Rocky Mountain Biology Laboratory Graduate Student Talks, Gothic, CO.

Linck, E., Sellas, A., Hanna, Z., Dumbacher, J. 2016. hyRAD, museum genomics, and the phylogeography of a New Guinea forest kingfisher. Evolution Meetings, Austin, TX.

Linck, E., Klicka, J., Zarza, E., Bryson Jr., R., McCormack, J. 2016. Phylogenomic phylogeography of the Rufous-capped Brush Finch. Graduate Student Symposium, UW Biology, Seattle, WA.

Urquhart, G.R., Maes, J.M., **Linck, E.** 2015. Critical Uncertainties and Gaps in the Environmental and Social-Impact Assessment of the Proposed Interoceanic Canal through Nicaragua: Terrestrial Biodiversity. Second International Workshop on the Interoceanic Canal through Nicaragua, Managua, Nicaragua.

Linck, E. 2015. Guest Lecture: Island Biogeography. Biology 472: Community Ecology, UW Biology, Seattle, WA.

Linck, E. 2013. Molecular Phylogenetics of the Louisiade White-eye (*Zosterops griseotinctus*.) California Academy of Sciences Summer Systematics Institute Symposium, San Francisco, CA.

Linck, E. 2013. Molecular Phylogenetics of the Louisiade White-eye (*Zosterops griseotinctus*.) Oral Thesis Defense, Reed College, Portland, OR.

Linck, E., Schaack, S., Dumbacher, J. 2013. Molecular Phylogenetics of the Louisiade White-eye (*Zosterops griseotinctus*.) Students Talking About thesis Research (STARs) Seminar Series, Reed College, Portland, OR.

Public Presentations

Linck, E. 2017. Natural history museums, DNA, and avian evolution. Trilogy Bird Club, Redmond, WA.

Linck, E. 2017. Natural history museums, DNA, and avian evolution. Eastside Audubon Society, Kirkland, WA.

Selected Popular Writing

Your stoke won't save us. 2018. *High Country News*.

Darwinian Sexual Selection and the Politics of Beauty 2018. *Los Angeles Review of Books*.

Bidding a Woeful Farewell to NSF's Doctoral Dissertation Improvement Grant (DDIG) Program 2017. *Undark Magazine*.

Food Evolution (Review). 2017. *The Stranger*.

Keep it Public. 2017. *Jacobin Magazine*.

How Trump's War on Science Might Hurt the University of Washington. 2017. *The Stranger*.

British Scientists Wanted No Exit From the EU. 2016. *The Stranger*.

Science News (weekly column). 2016. *The Stranger*.

Wilderness and "A Third-World Critique" in the Era of Climate Change. 2016. *The Hypocrite Reader* 69.

Birds, Whiskey, and the Modern Evolutionary Synthesis: Ernst Mayr in the Solomon Islands. 2015. *The Hypocrite Reader* 59.

A Trail Runner Defends His Right to Public Lands. 2015. *High Country News*.

El Oso Plateado. 2014. *The Hypocrite Reader* 39.

The Enduring Appeal of Counting Birds. 2013. *The Hypocrite Reader* 33.

On Singing. 2013. *The Hypocrite Reader* 31.

Field Experience

Madang Province, Papua New Guinea. 2018. Collecting genetic material for dissertation research.

E Oregon, USA. General collecting for UWBM Ornithology.

Napo Province, Ecuador 2018. Collecting dung beetles for collaboration with K. Sheldon.

Chimbu Province, Papua New Guinea. 2017. Collecting genetic material for dissertation research.

E Oregon, USA. 2017. General collecting for UWBM Ornithology.

Idaho & SE Washington, USA. 2015. General collecting for UWBM Ornithology.

Colorado, USA. 2014. Managing Boechera garden plots along an elevational transect.

Colorado, USA. 2013-2014. Winter caretaker at snowbound Rocky Mountain Biological Laboratory field station.

Monteverde, Costa Rica. 2012. Bird surveys of pasture trees and pitfall trapping of dung beetles.

Northern Mariana Islands, USA. 2011. Point count bird surveys and forest ecology.

Sandaun Province, Papua New Guinea. 2010. Mist netting and point count bird surveys.

Oregon, USA. 2010. Bird banding assistant at a wetland molt migrant stopover site.

Michoacan, Mexico. 2010. Assistant naturalist, Expedition Travel / University of Florida group tour of Monarch butterfly colonies.

Southern Highlands Province, Papua New Guinea. 2009. Naturalist in residence, Ambua Lodge.

Gulf Province, Papua New Guinea. 2008. GIS mapping of clan boundaries, Crater Mountain Wildlife Management Area.

Outreach & Service

Natural History Museum Collections

- Weekly preparation of scientific bird specimens for UWBM collections
- Annual participation in UWBM collecting expeditions
- Tour guide for UW Introductory Biology field trips to UWBM specimen collections
- Regularly help run the Burke Museum's "Members Night" and "Birds at the Burke" outreach events

Departmental Service

- Organizer for a graduate student seminar on phylogenetics (2015)
- Host for prospective graduate students (2015, 2016, 2017, 2018)
- Committee member, Graduate-led Action on Diversity and Equity (2018)

Contributions to the field

- Contributing writer, *The Molecular Ecologist*, a field-specific news, literature and methods tutorial website (<http://www.molecular ecologist.com/>)
- Peer reviewer, *Systematic Biology*, *Molecular Phylogenetics and Evolution*, *PeerJ*, *Axioms Review*, *Ecological Applications*, *PLoS ONE*, *Conservation Genetics*.
- Scripts publicly available on GitHub (<http://github.com/elinck>)
- Sequence data publicly available on GenBank / Dryad

Graduate Committee

J. Klicka; J. Hille Ris Lambers; R. Olmstead; L. Hauser

Collaborators

C.J. Battey (U Washington); D. Slager (U Washington); C. French (U Washington); E. Bridge (U Oklahoma); R. Bryson (U Washington); J. Duckles (U Oklahoma); J. Dumbacher (California Academy of Sciences); K. Epperly (U Washington); E. Fricke (U Iowa); R. Guralnick (U Florida); Z. Hanna (UC Berkeley); J. McCormack (Occidental College); A. Navarro-Siguenza (UNAM); A. Sellas (California Academy of Sciences); H. Rogers (U Iowa); S. Rohwer (U Washington), S. Schaack (Reed College), K. Sheldon (U Tennessee), E. Zarza (Occidental College)

References

John Klicka

Curator of Birds, Burke Museum of Natural History and Culture
Don and Betts Baepler Endowed Professor, University of Washington Department of Biology
Box 351800 Kincaid Hall
Seattle, WA 98195 USA
klicka@uw.edu

John P. Dumbacher

Curator of Ornithology and Mammalogy, California Academy of Sciences
55 Music Concourse Drive
Golden Gate Park
San Francisco, CA 94118 USA
jdumbacher@calacademy.org

Sarah Schaack

Associate Professor, Reed College Department of Biology
3203 Southeast Woodstock Boulevard
Portland, OR 97202 USA
schaack@reed.edu