

(updated 091517)

## Ethan Linck

Ph.D. Candidate

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## Education

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

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

## Publications

**Linck, E.**, Battey, C.J. 2017. Minor allele frequency thresholds strongly affect population structure inference with genomic datasets. *bioRxiv*. DOI: 10.1101/188623

Battey, C.J., **Linck, E.**, Epperly, K.L., French, C., Slager, D., Klicka, J. In Press. A Migratory Divide In The Painted Bunting (*Passerina ciris*). *The American Naturalist*. Preprint DOI: 10.1101/132910

**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.

*In review*

**Linck, E.**, Fricke, E., Rogers, H. Varied abundance and functional diversity in the surviving bird communities of the Mariana Islands. *The Wilson Journal of Ornithology*.

## Grants & Awards

**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.

## 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.

**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.

## Presentations

Battey, C.J., **Linck, E.**, Epperly, K.L., French, C., Slager, D., Klicka, J. 2017. A Migratory Divide In The Painted Bunting (*Passerina ciris*). 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*) (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.** 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.

**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.

## Popular Writing

The politics of beauty, choice and natural selection: Richard Prum's *The Evolution of Beauty* In press. *Los Angeles Review of Books*.

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

Food Evolution (Review)

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.

The UW Light Rail Station Will Help Bridge the Psychological Distance Between the Two Halves of the City. 2016. *The Stranger*.

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

The Gorge. 2015. *Bearings Journal* 1.

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

Black Coffee. 2014. *The Hypocrite Reader* 47.

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.

## 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. Spring 2013. Department of Biology, Reed College.

## Field Experience

*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 the Burke Museum collections
- Annual participation in the Burke Museums collecting expeditions
- Tour guide for UW Introductory Biology field trips to the Burke Museum specimen collections
- Regularly help run the Burke Museums Members Night and Birds at the Burke outreach events

### Departmental Service

- Organizer for a graduate student seminar on phylogenetics
- Host for prospective graduate students

### Contributions to the field

- Contributing writer, *The Molecular Ecologist*, a field-specific news, literature and methods tutorial website (<http://www.molecular ecologist.com/>)
- Manuscript referee, *Molecular Phylogenetics and Evolution*, *PeerJ*, *Axioms Review*, *Ecological Applications*, *PLoS ONE*
- 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)