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## Ethan Linck

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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.**, 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

## Society Membership

The Society for the Study of Evolution, The American Society of Naturalists, The Society of Systematic Biologists, The American Ornithological Society

## 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

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Don and Betts Baeppler Endowed Professor, University of Washington Department of Biology  
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Seattle, WA 98195 USA  
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### 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

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Portland, OR 97202 USA  
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