

## CJ Battey

PhD Candidate, Klicka Lab  
University of Washington, Department of Biology  
cjbattey@uw.edu 1-650-291-4362 cjbattey.com

C.V.

### Education

University of California, Berkeley	Integrative Biology	B.A., 2010
University of California, Berkeley	English	B.A., 2010
University of Washington	Biology	PhD, 2013-

### Publications

#### Peer-Reviewed

**Battey, C.J.**, Linck, E., Epperly, K.L., French, C., Slager, D., Sykes Jr., P. W., Klicka, J. 2017. A Migratory Divide In The Painted Bunting (*Passerina ciris*). *The American Naturalist* (In press). <https://doi.org/10.1086/695439>

**Battey, C.J.** & Klicka, J. 2017. Cryptic Speciation and Gene Flow in a Migratory Songbird Species Complex: Insights from the Red-Eyed Vireo (*Vireo olivaceus*). *Molecular Phylogenetics and Evolution*, Available online 12 May 2017, ISSN 1055-7903, <https://doi.org/10.1016/j.ympev.2017.05.006>.

Slager, D.L., **C.J. Battey**, Robert W. Bryson Jr., Gary Voelker, John Klicka. "A multilocus phylogeny of a major New World avian radiation: The Vireonidae." *Molecular Phylogenetics and Evolution*, Volume 80, November 2014, Pages 95-104, ISSN 1055-7903, <http://dx.doi.org/10.1016/j.ympev.2014.07.021>.

#### Preprints

Linck, Ethan B. & **Battey, C.J.** Minor Allele Frequency Thresholds Strongly Affect Population Structure Inference with Genomic Datasets. bioRxiv 188623; doi: <https://doi.org/10.1101/188623>

**Battey, C.J.**, Luisa M. Otero, George C. Gorman, Paul E. Hertz, Bradford C. Lister, Andres Garcia, Patricia A. Burrowes, and Raymond B. Huey. Why montane Puerto Rican lizards are moving downhill while the climate warms. submission pending coauthor comments. Preprint: [http://cjbattey.com/papers/anolis\\_Ecology\\_article.pdf](http://cjbattey.com/papers/anolis_Ecology_article.pdf)

#### Software

**C. J. Battey**. (2017, March 2). cjbattey/driftR: driftR\_v1.3 (Version v1.3). Zenodo. <http://doi.org/10.5281/zenodo.345172>

**C. J. Battey**. (2017, March 2). cjbattey/structurePlotter: structurePlotter\_v1 (Version 1). Zenodo. <http://doi.org/10.5281/zenodo.345154>

#### Other

**Battey, C.J.** 2015. Migration Increases Niche Breadth in North American Hummingbirds. *Electronic Journal of Applied Multivariate Statistics*, Vol 7.8 (2015): 1-10. [http://cjbattey.com/papers/EJAMS\\_v7\\_2015.pdf](http://cjbattey.com/papers/EJAMS_v7_2015.pdf)

**Battey, C.J.**, T. Ross. Impacts of Habitat Restoration and Status of Avian Communities in Seattle City Parks. May 2015. Seattle Audubon Society: [http://cjbattey.com/papers/nbp\\_report.pdf](http://cjbattey.com/papers/nbp_report.pdf)

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### Grants and Awards

2016	National Science Foundation American Ornithologists' Union	DDIG Student Travel Award	\$16800 \$450
2015	American Museum of Natural History UW Department of Biology UW Department of Biology NSF GRFP	Frank M. Chapman Grant Iuvo Award Sargent Award Honorable Mention	\$1200 \$1500 \$1500
2014	American Ornithologists' Union NSF GRFP	Student Travel Award Honorable Mention	\$300

### Presentations

**Battey, C. J.;** Klicka, J. 2016. *Phylogeography of the Rufous Hummingbird (S. rufus): Insights on Migratory Connectivity and a Recent Wintering Range Expansion* North American Ornithological Conference; Washington, DC.

**Battey, C.J.** 2016. *Impacts of Habitat Restoration on Native Birds in Seattle City Parks.* Edmonds Birdfest, Edmonds, WA.

**Battey, C.J.** 2016. *The Californians are Coming: Recent Range Shifts in North American Hummingbirds.* University of Washington Graduate Student Symposium, Seattle, WA.

**Battey, C.J.** 2016. *Status and Trends in Avian Communities in Seattle City Parks: 20 Years of the Neighborhood Bird Project.* Seattle Audubon Society, Seattle, WA.

**Battey, C.J.** 2016. *Impacts of Habitat Restoration on Native Birds in Seattle City Parks.* Green Seattle Partnership and Seattle Audubon Society, Seattle, WA.

**Battey, C. J.;** Slager, D. L.; Bryson, R. W.; Klicka, J. 2014. *Paraphyly and Migration in the Red-Eyed Vireo Species Complex.* Presentation at the meeting of the American Ornithologists' Union, Estes Park, CO.

**Battey, C. J.;** Slager, D. L.; Bryson, R. W.; Klicka, J. 2014. *Return of the Chivi Vireo: Phylogenetic Inference with Genome-Wide SNPs.* University of Washington Graduate Student Symposium, Seattle, WA.

### Jobs

2017	Teaching Assistant, Comparative Anatomy, Dept. of Biology, UW Teaching Assistant, Conservation Biology, Dept. of Biology, UW Teaching Assistant, Genetics and Molecular Ecology, Dept. of Biology, UW
2016	Teaching Assistant, Introductory Evolution & Ecology, Dept. of Biology, UW Teaching Assistant, Biological Impacts of Climate Change, Dept. of Biology, UW Research Assistant, Huey Lab

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- Teaching Assistant, Genetics and Molecular Ecology, Dept. of Biology, UW
- 2015 Teaching Assistant, Conservation Biology, Dept. of Biology, UW  
Teaching Assistant, Introductory Physiology (x2), Dept. of Biology, UW
- 2014 Teaching Assistant, Molecular Biology, Dept. of Biology, UW  
Teaching Assistant, Introductory Physiology, Dept. of Biology, UW  
Curatorial Assistant, Dept. of Ornithology, Burke Museum of Natural History  
Teaching Assistant, Introductory Physiology, Dept. of Biology, UW
- 2013 WRF Hall Fellow, Dept. of Biology, UW  
Research Assistant, Fundación Proaves, Magdalena, Colombia
- 2012 Avian Point Count Technician, Point Reyes Bird Observatory, Pescadero, CA
- 2010-2012 Staff Scientist; Cardno ENTRIX, Concord, CA
- Survey and monitoring of protected species in northern California (Swainson's hawk, western burrowing owl, Ca red-legged frog, Ca tiger salamander, etc.).
  - Conducted environmental compliance reviews for electrical generation & transmission projects.
- 2008-2009 Research Assistant, Daane Lab, UC Berkeley Dept. Environmental Science, Policy, & Management
- 2007 Intern, California Public Utilities Commission, San Francisco, CA
- 2004-2006 Commercial Painting Crew Door and Window Taper, Sunrise Painting, Half Moon Bay, CA  
Arts Camp Counselor, Fly on the Wall Gallery, HMB, CA

## Teaching & Public Outreach

### Undergraduate Education & Mentoring

- Developed a free interactive Wright-Fisher simulator for population genetics labs: <https://cjbattey.shinyapps.io/driftR/>
  - Used in undergraduate classes at U. Washington (BIOL340 & BIOL476) & U. Wyoming.
- Designed assignment and teaching modules for Biological Impacts of Climate Change (BIOL 315, UW Seattle), based on students' independent analyses of data from peer-reviewed studies.
- Mentored an undergraduate student on her study of reticulate evolution in the Great-Tailed Grackle (presented at AOU 2014).
- Collaborated with labmates to develop a 3-hr introduction to museum-based science for Introductory Biology (Biol 180) classes. Over 2000 students have since participated.

Seattle Audubon Society

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- Worked with Seattle Audubon staff and volunteers to analyze 17 years of citizen-science point count data to assess impacts of restoration projects on avian communities in city parks.
- Presented results at Seattle Parks stakeholders' meeting and three public Audubon meetings.
- Results helped convince parks to adjust maintenance schedules impacting Savannah Sparrows at Discovery Park, and lead to a boost in volunteers in following years.

### Burke Museum of Natural History

- Volunteer presenter and guide for public tours and events at the Burke Museum.
- Developed hummingbird/sunbird convergent evolution display for "Birds at the Burke".
- Ornithology collecting trips in WA, ID, MT, CO, and the Sierra Madre Occidental (MX).
- Weekly preparation of biological specimens (2013-present).

### Contributions to the Field

- Manuscript referee: *J. Biogeography*, *PLOS one*, *Molecular Phylogenetics and Evolution*, *Molecular Ecology*
- R and shell scripts for visualization of RAD sequence data and bioinformatics processing ([github.com/cjbattey](https://github.com/cjbattey))

### Graduate Committee

John Klicka, Adam Leaché, Lauren Buckley, John Marzluff