

CJ Battey

PhD Candidate, Klicka Lab
University of Washington, Department of Biology
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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* (Accepted).

bioRxiv preprint DOI: [10.1101/132910](https://doi.org/10.1101/132910)

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>

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.

Battey, C.J., T. Ross. Impacts of Habitat Restoration and Status of Avian Communities in Seattle City Parks. May 2015. Seattle Audubon Society: <http://www.seattleaudubon.org/sas/About/Science/CitizenScience/NeighborhoodBirdProject.aspx>

Grants and Awards

2016	National Science Foundation	DDIG	\$16800
	American Ornithologists' Union	Student Travel Award	\$450

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

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.

Professional Appointments

2017	Teaching Assistant, Molecular Ecology and Genetics, Dept. of Biology, UW
	Teaching Assistant, Comparative Anatomy, Dept. of Biology, UW
	Teaching Assistant, Conservation Biology, Dept. of Biology, UW
2016	Teaching Assistant, Biological Impacts of Climate Change, Dept. of Biology, UW
	Teaching Assistant, Genetics and Molecular Ecology, Dept. of Biology, UW
	Research Assistant, Huey Lab, Dept. of Biology, UW
2015	Teaching Assistant, Introductory Physiology, Dept. of Biology, UW
	Teaching Assistant, Conservation Biology, Dept. of Biology, UW
2014	Teaching Assistant, Introductory Physiology, Dept. of Biology, UW

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Teaching Assistant, Molecular Biology, Dept. of Biology, UW
Curatorial Assistant, Dept. of Ornithology, Burke Museum of Natural History

2013 Research Assistant, Fundación Proaves, Magdalena, Colombia
WRF Hall Fellow, Dept. of Biology, UW

2012 Avian Point Count Technician, Point Reyes Bird Observatory, Pescadero, CA

2010-2012 Staff Scientist; Cardno ENTRIX, Concord, CA

Teaching & Public Outreach

Undergraduate Education & Mentoring

- Developed interactive website used in population genetics labs:
<https://cjbattey.shinyapps.io/driftR/>
- Designed assignment and teaching modules for BIOL315, based on students' independent analyses of data from peer-reviewed studies:
<https://www.dropbox.com/sh/rg0v2wn627g3usr/AADtkR-Bb6XP0PfbWNnjE4IRa?dl=0>
- 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 1000 students have since participated.

Seattle Audubon Society

- 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)

Graduate Committee

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John Klicka, Adam Leaché, Lauren Buckley, John Marzluff