CURRICULUM VITAE

**Cody K. Porter, Ph.D.**

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**ACADEMIC APPOINTMENTS**

IOWA STATE UNIVERSITY, Department of EEOB, Ames, IA

**Post-doctoral Fellow** (2022 August – *present*)

Supervisor: Dr. Eric Riddell

LEES-MCRAE COLLEGE, Biology Program, Banner Elk, NC

**Visiting Assistant Professor of Biology** (2020 August – May 2022)

**EDUCATION**

UNIVERSITY OF WYOMING, Department of Zoology and Physiology, Laramie, WY

**Ph.D in Zoology and Physiology** (2014 – 2020)

Advisor: Dr. Craig Benkman

Dissertation: “Adaptation and The Origin of Species”

GPA: 3.87/4.0

MICHIGAN STATE UNIVERSITY, Zoology Department, East Lansing, MI

**BSc. in Zoology** (concentration in ecology, evolution, and organismal biology; 2010-2013)

GPA: 3.67/4.0

JACKSON COLLEGE, Biology Program, Jackson, MI (2008-2010)

GPA: 3.6/4.0

**PUBLICATIONS**

[18] **Porter, C.K.,** Golcher-Benavides, J., and Benkman, C.W. Seasonal patterns of dietary partitioning in vertebrates. ***Ecology Letters***. *In press*.

[17] Benkman, C.W., Brock, C.D., Parchman, T.L., and **Porter, C.K.** 2022. Response to Hill and Power: It is irrelevant that the mode and tempo of Cassia crossbill speciation is not typical for birds. e02967. ***Journal of Avian Biology***.

[16] **Porter, C.K.,** and Benkman, C.W. 2022. Performance tradeoffs and resource availability drive variation in reproductive isolation between sympatrically diverging crossbills. ***American Naturalist***. 199:362-379.

[15] **Porter, C.K.,** Confer, J.L., Aldinger, K.A., Canterbury, R.A., Larkin, J.L., and McNeil, D.J. 2021. Strong yet incomplete reproductive isolation in *Vermivora* is not contradicted by other lines of evidence: a reply to Toews et al. ***Ecology and Evolution*** 11:10724-10730.

[14] **Porter, C.K.,** and Akcali, C.K. 2020. Evolutionary implications of habitat choice. ***eLS*** John Wiley & Sons, Ltd. Chichester. doi: https://doi.org/10.1002/9780470015902.a0029011

-Invited peer-reviewed contribution.

[13] Confer, J.L., **Porter, C.K.,** Aldinger, K.A., Canterbury, R.A., Larkin, J.L., and McNeil, D.J. 2020. Implications for evolutionary trends from the pairing frequencies among golden-winged and blue-winged warblers and their hybrids. ***Ecology and Evolution*** 10:10633-10644.

[12] **Porter, C.K.,** and Smith, J.W. 2020. Diversification in trophic morphology and a mating signal are coupled in the early stages of speciation with gene flow. ***Biological Journal of the Linnean Society*** 129: 74-87.

[11] **Porter, C.K.,** and Benkman, C.W. 2019. Character displacement of a learned vocalization and its implications for ecological speciation. ***Proceedings of the Royal Society B*** 20190761.

[10] Parigi, A., **Porter, C.,** Cermak, M., Pitchers, W., and Dworkin, I. 2019. The behavioural repertoire of *Drosophila melanogaster* in the presence of two predator species that differ in hunting mode. ***PloS One*** 14: e0216860.

[9] **Porter, C.K.,** and Akcali, C.K. 2018. An alternative to adaptation by sexual selection: habitat choice. ***Trends in Ecology and Evolution*** 33:576-581.

[8] Chandler, C.H., Chari, S., Kowalski, A., Choi, L., Tack, D., DeNieu, M., Pitchers, W., Sonnenschein, A., Marvin, L., Hummel, K., Marier, C., Victory, A., **Porter, C.,** Mammel, A., Holmes, J., Sivaratnam, G., and Dworkin, I. 2018. How well do you know your mutation? Complex effects of genetic background on expressivity, complementation, and ordering of allelic effects. ***PLoS Genetics*** 13: e1007075.

[7] Benkman, C.W., and **Porter, C.K.** 2018. Cassia Crossbill (*Loxia sinesciuris*), in ***The Birds of North America*** (P. G. Rodewald, Editor). Cornell Lab of Ornithology, Ithaca, NY, USA.

[6] Akcali, C.K., and **Porter, C.K.** 2017. Comment on Van Belleghem et al. 2016: Habitat choice mechanisms in speciation and other forms of diversification. ***Evolution*** 71:2754-2761.

[5] **Porter, C.K.,** and Benkman, C.W. 2017. Assessing the contributions of reduced immigrant viability and fecundity to reproductive isolation. ***The American Naturalist*** 189:580-591.

[4] **Porter, C.K.**, and Behl, N.J. 2016. Predation and scavenging on other birds by Western Meadowlarks (*Sturnella neglecta*) during a spring snowstorm. ***The Wilson Journal of Ornithology*** 128:664-667.

[3] Pfennig, K., Pfennig, D., **Porter, C.K.,** Martin, R. 2015. Sexual selection’s impacts on ecological specialisation: an experimental test. ***Proceedings of the Royal Society of London, B*** 282: 20150217.

[2] Robertson, B.A., **Porter, C.K.,** Landis, D.A. & Schemske, D.W. 2012. Agroenergy crops influence diversity, biomass, and guild structure of terrestrial arthropod communities. ***BioEnergy Research*** 5: 179-188.

[1] **Porter, C.K.** 2012. First confirmed nesting of Golden-crowned Kinglet in Jackson County. ***Michigan Birds and Natural History*** 19(1): 28-30.

**GRANTS AND AWARDS**

2021 Distinguished Faculty Mentor, Lees-McRae College

2018 Robert Berry Ecology Center Endowment, University of Wyoming ($6,000)

2018 Menkens Graduate Award, University of Wyoming ($3,000)

2017 Dean’s Graduate Scholars Award, University of Wyoming ($2,500)

2015 American Ornithological Society Travel Grant ($300)

2015 Colorado Field Ornithologists Research Grant ($1,284)

2014 Berry Graduate Student Fellowship, University of Wyoming ($29,000)

2014 NSF Graduate Research Fellowship, Honorable Mention

**TEACHING EXPERIENCE**

**Instructor:** *Ornithology* (lecture + lab), Lees-McRae College, Spring 2022 (17 students)

 *General Zoology* (lecture + lab), Lees-McRae College, Spring 2022 (40 students)

 *Principles of Ecology* (lecture + lab), Lees-McRae College, Fall 2021 (35 students)

 *General Zoology* (lecture + lab), Lees-McRae College, Spring 2021 (40 students)

 *Ornithology* (lecture + lab), Lees-McRae College, Fall 2020 (21 students)

 *Principles of Ecology* (lecture + lab), Lees-McRae College, Fall 2020 (50 students)

 *Evolutionary Biology* (lecture), University of Wyoming, Spring 2020 (35 students)

**Co-Instructor:** *Senior**Research in Biology*, Lees-McRae College, Spring 2022 (15 students)

 *Adaptive Radiation*, University of Wyoming, Spring 2020 (6 grad students)

**Teaching Assistant:** *Ornithology*, University of Wyoming, Spring 2018, 2019

*Animal Biology*, University of Wyoming, Spring 2016

 *General Biology*, University of Wyoming, Fall 2015

 *Animal Behavior*, University of Wyoming, Spring 2014

 *Introduction to Ecology and Evolution*, University of Wyoming, Fall 2014

**STUDENTS MENTORED**

\*co-authors on manuscripts in prep

**Lees-McRae College**

2022 Miguel Sanchez Aquatic invertebrate diversity and anthropogenic pollution

2022 Madison Sotkewicz Phenotypic plasticity in *Daphnia* anti-predatory morphology

2022 Lucas Price Predator threat level and songbird mobbing behavior

2022 Austin Hodges Selection on head morphology of *Plethodon cinereus*

2021 Tessa Wells\* Character displacement in sympatric *Impatiens*

2021 Charlie Ayers\* Character displacement in sympatric *Impatiens*

2021 Brandi Kennedy\* Character displacement in sympatric *Impatiens*

2021 Kathryn Michalec Arthropod diversity and abundance in anthropogenic landscapes

2020 Andrew Wolf Batesian mimicry in woodpeckers

2020 Katana Lowman Sexual dimorphism and feeding ecology of hummingbirds

**University of Wyoming**

2018 Carol Beagle Vocal imitation and mate choice in red crossbills

2016 Frances Ngo Conifer cone defenses

2014 Nathan Hough Behavioral isolation in red crossbill ecotypes

**SCIENTIFIC PRESENTATIONS**

“Why is Sympatric Speciation Rare in Birds?”, Society for the Study of Evolution, 2021

“Adaptation and The Origin of Species”, Appalachian State University Biology Department, 2020

“The Evolution of Reproductive Isolation in Crossbills”, University of Wyoming Zoology and Physiology Department, 2020

“Cultural Evolution and Ecological Speciation”, University of Wyoming Program in Ecology, 2019 **(best talk)**

“Character Displacement of a Learned Behavior”, Guild of Rocky Mountain Ecologists and Evolutionary Biologists, 2018

“Why is Sympatric Speciation Rare in Birds?”, American Ornithological Society, 2018

“Why Don’t Most Birds Speciate Like Some Insects?”, University of Wyoming Program in Ecology, 2018

“Why is Sympatric Speciation Rare in Birds?”, Guild of Rocky Mountain Ecologists and Evolutionary Biologists, 2017

“Interactions Between Reproductive Isolating Barriers”, University of Wyoming Program in Ecology, 2017

“Ecological Fluctuations and the Evolution of Reproductive Isolation”, University of Wyoming Zoology and Physiology Department, 2016

**PROFESSIONAL SERVICE**

**Manuscripts reviewed for:** *Journal of Animal Ecology, The Auk: Ornithological Advances, Evolution, Oikos, Proceedings of the Royal Society B, The Wilson Journal of Ornithology*

**Lees-McRae College Committees**

2022 Curriculum review committee

2021-22 Lees-McRae Audubon Chapter Faculty Advisor

**Laramie Audubon Society**

2017-20 Board of Directors

2017-20 Chair of Research Grants Committee

**University of Wyoming Graduate Student Committees**

2016-19 Program in Ecology Student Invited Speaker Chair