

Zofia Adelajda (Ada) Kaliszewska

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Academic positions and education:

- University of Utah Honors Biological Chemistry Major, Math Minor B.S. 2002
Salt Lake City, UT
Honors Thesis: Population histories of right whales inferred from mitochondrial sequence diversities and divergences of their whale lice
Advisor: Jon Seger
- Harvard University, Organismic and Evolutionary Biology Ph.D. 2015
Cambridge, MA
Thesis: Evolution of parasitism in the Lycaenidae (Lepidoptera)
Advisor: Naomi Pierce
- University of Washington, Department of Biology, Postdoctoral Fellow 2015-present
Seattle, WA
Project: Chance or necessity? Adaptive vs. non adaptive evolution in plant-frugivore interactions
Advisors: Sharlene Santana and Jeff Riffell

Fellowships:

- 2010-2011 Knox Travelling Fellowship (\$22,825)
2005-2009 (Stipend started Sept 2006) NSF Graduate Research Fellowship Program Award (\$90,000)
2004-2006 NIH Genetics Training Grant (\$41,544)

Grants:

- 2010 Putnam Expedition Grant: Lycaenid life history evolution in South Africa (\$9,175)
2008 Putnam Expedition Grant: Diversification of *Chrysoritis* and *Thestor* butterflies (\$7,395)
2007 Putnam Expedition Grant: Species interactions and diversification of *Thestor* butterflies and *Anoplolepis custodiens* ants (\$6,260)

Teaching:

- Instructor: Developed and taught two graduate level courses.
- Con Men, Neuroscience and Magic: how the world of illusion can inform our understanding of human perception (Harvard University GSC6) Winter, 2014, 2015
- Magic and Scientific Thinking: how insights from magicians can broaden our thinking about problems/questions in the sciences (Harvard University GSC5) Winter, 2012
- Guest Lecturer
- Entomology (UW Biol545) Spring, 2018
- Women in Science (Seattle Pacific University) Spring, 2018
- Teaching Fellow
- Animal Behavior (Harvard University OEB57) Spring, 2010
- Genetics and Genomics (Harvard University BS50) Fall, 2005
- Grader
- Genetics, Genomics and Evolution (Harvard University LS1b) Spring 2006, 2012 - 2015
- Chemistry, Molecular Biology and Cell Biology (Harvard University LS1a) Fall 2012 - 2014
- Tutor
- High School Physics Spring 2011

Publications:

Heath, A., **Kaliszewska, Z.A.**, and Pringle, E.L. (2018). An overview of the biology of the Afrotropical butterfly genus *Crudaria* Wallengren, 1875 (Lepidoptera: Lycaenidae: Aphnaeinae), including some new observations. *Metamorphosis*, 29, 92-117.

Schär, S., Eastwood, R., Arnaldi, K. G., Talavera, G., **Kaliszewska, Z. A.**, Boyle, J. H., Espeland, M., Nash, D.R., Vila, R. & Pierce, N. E. (2018). Ecological specialization is associated with genetic structure in the ant-associated butterfly family Lycaenidae. *Proc. R. Soc. B*, 285(1886), 20181158.

Kaliszewska, Z. A., Lohman, D. J., Sommer, K., Adelson, G., Rand, D. B., Mathew, J., Talavera, G. & Pierce, N. E. (2015). When caterpillars attack: biogeography and life history evolution of the Miletinae (Lepidoptera: Lycaenidae). *Evolution*, 69(3), 571-588.

Boyle, J. H., **Kaliszewska, Z. A.**, Espeland, M., Suderman, T. R., Fleming, J., Heath, A., & Pierce, N. E. (2015). Phylogeny of the Aphnaeinae: myrmecophilous African butterflies with carnivorous and herbivorous life histories. *Systematic entomology*, 40(1), 169-182.

Heath, A. and **Kaliszewska, Z.A.** (2012). Further life history observations in the myrmecophilous genus *Chrysoritis* Butler, plus notes on dwarfism in reared specimens. *Metamorphosis*, 23, 16-23.

Seger, J., Smith, W. A., Perry, J. J., Hunn, J., **Kaliszewska, Z. A.**, La Sala, L., Pozzi, L., Rowntree, V.J. & Adler, F. R. (2010). Gene genealogies strongly distorted by weakly interfering mutations in constant environments. *Genetics*, 184(2), 529-545.

Heath, A., McLeod, L., **Kaliszewska, Z. A.**, Fisher, C. W. S., & Cornwall, M. (2008). Field notes including a summary of trophic and ant-associations for the butterfly genera *Chrysoritis* Butler, *Aloeides* Hübner and *Thestor* Hübner (Lepidoptera: Lycaenidae) from South Africa. *Metamorphosis*, 19(3), 127-148.

Kaliszewska, Z. A., Seger, J., Rowntree, V.J., Barco, S.G., Benegas, R., Best, P.B., Brown, M.W., Brownell Jr., R.L., Carribero, A., Harcourt, R., Knowlton, A.R., Marshall-Tilas, K., Patenaude, N.J., Rivarola, M., Schaeff, C.M., Sironi, M., Smith, W.A., Yamada, T.K. (2005). Population histories of right whales (Cetacea: Eubalaena) inferred from mitochondrial sequence diversities and divergences of their whale lice (Amphipoda: Cyamus). *Molecular Ecology*, 14(11), 3439-3456.

Manuscript in review:

Leiser-Miller, L., **Kaliszewska, Z.A.**, Lauterbur, E., Mann, B., Riffell, J.A., Santana, S.E. A fruitful endeavor: scent cues and echolocation behavior used by *Carollia castanea* to find fruit. *Behavioral Ecology and Sociobiology*.

Manuscripts in preparation:

Kaliszewska, Z.A., Leiser-Miller, L., Riffell, J.A., Santana, S.E. (in prep) Chemical diversity of *Piper* scents.

Leiser-Miller, L., Yohe, L.R., **Kaliszewska, Z.A.**, Davalos, L.M., Whitehead, S., Santana, S.E. (in prep) Niche partitioning in Neotropical bats (*Carollia*: Phyllostomidae) feeding on Piperaceae.

Kaliszewska, Z.A., Heath, A. and Pierce N.E. (in prep – manuscript available upon request) Extinction risk in predaceous butterflies may be driven by population size: A case study comparing two species in South Africa.

Kaliszewska, Z.A., Boyle, J.H., Heath, A., Mathew, J. and Pierce N.E. (in prep – manuscript available upon request) Phylogeny and life history evolution of the genus *Thestor* (Lepidoptera, Miletinae).

Kaliszewska, Z.A., Heath, A., Midgley, J. and Pierce N.E. (in prep – manuscript available upon request) Flying higher than the rest: Life histories of South African Lycaenids inferred from stable isotope analysis.

Talavera, G., **Kaliszewska, Z.A.**, Heath, A., and Pierce N.E. (in prep) Phylogeny of *Chrysoritis*.

Naskrecki, P., **Kaliszewska, Z.A.**, Pierce, N.E. (in prep) A phylogeny of katydids (Tettigoniidae) and the evolution of acoustic behavior.

Presentations:

Oral Presentation: Kaliszewska, Z.A., Santana, S.E. and Riffell, J.A. (2017) Evolution of chemical signals in Neotropical *Piper* within the context of ecological interactions with bats. Evolution Meetings 2017, Oregon.

Oral Presentation: Kaliszewska, Z.A., Santana, S.E. and Riffell, J.A. (2017) Plants talking to bats: Chemical diversity of *Piper* scents. SICB 2017, Louisiana.

Oral Presentation: Kaliszewska, Z.A. and Pierce, N.E. (2013) How does a predaceous vs. a vegetarian life-history affect the evolution of butterflies in South Africa? Or, the hooligan vs. the cop. Evolution Meetings 2013, Utah.

Oral Presentation: Kaliszewska, Z.A. and Pierce, N.E. (2009) Out of Africa: the Miletinae butterfly story. Evolution Meetings 2009, Idaho.

Oral Presentation: Kaliszewska, Z.A. and Pierce, N.E. (2008) When caterpillars attack: Phylogeny and life history evolution of the Miletinae. Evolution Meetings 2008, Minnesota.

Poster Presentation: Kaliszewska, Z.A., Seger, J., Rowntree, V.J., Smith, W.A. (2005) Population histories of right whales (Cetacea; Balaenidae; Eubalaena spp.) inferred from population structures of their whale lice (Amphipoda; Cyamidae; Cyamus spp.). European Evolution Meetings (ESEB), Krakow, Poland.

Oral Presentation: Kaliszewska, Z.A. (2004). Whale lice. Cambridge Entomological Club.

Synergistic activities:

Public Outreach

- *Burke Museum*.
 - Designed and presented an exhibit about *Piper* scents for Behind the Scenes Night (2018).
 - Designed and presented an exhibit about Whale lice (Cyamidae) for Behind the Scenes Night (2016, 2018).
 - Designed and presented four mini-exhibits about the coevolution between *Piper* plants and *Carollia* bats, which communicated scientific research to the public during Free First Thursdays (2016-2017).
- *Zielone Czytanki (Green Story Time)*. Organized and ran a nature-centered story time in Polish for toddlers and their parents; in addition to teaching kids about nature, this includes instruction and support for parents raising bilingual children (2018).
- *Harvard Museum of Natural History*. Organized the butterfly exhibit for Bugfest (2009).
- *Orchard Gardens Pilot School*. Designed and taught a workshop titled Out of Africa: Animals big and small for 1st graders (2013, 2014).
- *Boston Latin Academy*. Judged student projects at the science fair (2013).

Departmental Service

- Member of the UW Biology Research Committee (Fall 2016 to Spring 2018).
- Member of the UW Biology Grad and Postdoc Program Committee (Spring 2017).

Other Service

- Organized airport transportation for 2009 Mutualism Conference at Harvard.
- Organized the 2006 Genetics Training Grant Symposium at Harvard. Conflict and Cooperation: The Evolution of Social Systems.

Other interests:

Photography:

- My photograph of Oropendola birds and nests was exhibited at the 2009 Bird and Nest exhibit at the Harvard Museum of Natural History
- See <http://www.adakaliszewska.com/#!/photography/c1han>

Hiking and climbing – Three highest summits:

- King's Peak (Utah) 13,328 ft
- Mount Whitney (California) 14,491 ft
- Mount Kilimanjaro (Tanzania) 19,340 ft

Biking – summer of 2006 I biked 3700 miles (from Florida to California) with a group called Bike and Build

Running:

- May 2009 finished the KeyBank Vermont City Marathon in 5 hours and 9 minutes
- September 2013 finished the Hyannis Sprint II Triathlon in 1 hour and 31 minutes

Dudley House Intramural Crew – Rowed in the Women's B boat in 2007 and in the Women's A boat in 2008

Languages:

Polish, English and Spanish