Ariel Kahrl

PhD Candidate

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**Education**

2011 - present University of Virginia, Charlottesville, VA

PhD student, Advisor: Robert Cox

*Dissertation*: The evolution and fitness consequences of sperm morphology

2005 – 2009 Oberlin College, Oberlin, OH

B.A. Biology (Honors), minor Studio Art

Advisor: Angela Roles

**Fellowships, Scholarships, and Awards**

2015 E.E. Williams Award, Morphology and Systematics ($1,000)

Herpetologist’s League

2015 Doctoral Dissertation Improvement Grant ($20,475)

National Science Foundation

2015 Wake Award for Best Student Paper

Society for Integrative and Comparative Biology

2013 Theodore Roosevelt Memorial Grant ($2,351)

American Museum of Natural History

2012 GRFP Honorable Mention

National Science Foundation

2009 Ernst Hatch Wilkins Memorial Prize

Department of Biology, Oberlin College

2009 Hope Hibbard Memorial Scholarship in Biology ($500)

Department of Biology, Oberlin College

2009 Norman H. Wright Prize in Biology ($500)

Department of Biology, Oberlin College

**Publications**

**Kahrl, A.F**. and R.M. Cox. 2015. Diet affects ejaculate traits in a lizard with condition-dependent fertilization success. Behavioral Ecology. 26(4)

Cox, R.M. and **A.F. Kahrl.** *(in press)*Sexual Selection and Sexual Dimorphism. Chapter 4 in: *Reproductive Biology and Phylogeny of Lizards and Tuatara*. (Eds. J. L. Rheubert, D. S. Siegel, S. E. Trauth and B. G. Jamieson). CRC Press.

**Kahrl, A.F.,** R. H.Laushman, and A. J. Roles. (*in press*) Evidence for multiple paternity in two species of Orconectes crayfish. Canadian Journal of Zoology.

**Presentations and Posters**

**Kahrl, A**, C.L. Cox, R.M. Cox. 2015. “Correlated evolution of proxies for pre- and postcopulatory sexual selection across squamate reptiles” Oral presentation as part of the Society of Integrative and Comparative Biology annual meeting. West Palm Beach, FL.

**Kahrl, A**, R.M. Cox. 2014. “Diet affects ejaculate traits in a lizard with condition-dependent fertilization success”Oral presentation at the annual Evolution meeting. Raleigh, NC.

**Kahrl, A**, R.M. Cox. 2014. “Diet affects ejaculate traits in a lizard with condition-dependent fertilization success”Oral presentation as part of the Society of Integrative and Comparative Biology annual meeting. Austin, TX.

**Kahrl, A**, R.M. Cox. 2013. “Body condition affects ejaculate traits in a lizard with condition-dependent fertilization success”Oral presentation as part of the Southeastern Population Ecology and Evolutionary Genetics (SEPEEG) meeting. Pembroke, VA.

**Kahrl, A**., Formica, V., Donald, H., Wice, E., and E.D. Brodie III. "Evidence for postcopulatory selection in the forked fungus beetle". Poster as part of the 1st Joint Congress on Evolutionary Biology. Ottawa, Canada. 9 July, 2012.

**Kahrl, Ariel**. “The Effects *Ureaplasma parvum* on Birth Outcome and the Health of Infants.” PowerPoint presentation as part of the Gundersen Lutheran Summer Fellowships. Gundersen Lutheran Hospital, La Crosse, WI. 9 Aug 2008.

**Kahrl, Ariel**. “Who’s Your Crawdaddy? A Comparative Study of Mating Strategies in Three Native Species of *Orconectes* Crayfish.” Oral presentation as part of the Oberlin College Biology Department Honors Candidate Presentations. 4 Nov 2008.

**Kahrl, A.** and A. Roles. “Population Biology of *Orconectes* Crayfish Using Microsatellites.” Poster presented as part of the Midwest Ecology and Evolution Conference. Baker Grand Ballroom, Athens, OH. 8 Mar 2008.

**Published Scientific Illustrations**

Benowitz, K. M., E. D. Brodie and V. A. Formica. 2012. Morphological Correlates of a Combat Performance Trait in the Forked Fungus Beetle, *Bolitotherus cornutus*. PLoS ONE 7:e42738.

**Teaching Appointments**

University of Virginia

2014 Teaching Assistant – Animal Behavior (BIOL4270)

2014 Teaching Assistant – Infectious Disease (BIOL3090)

2013 Teaching Assistant – Human Anatomy and Physiology (BIOL3559)

2013 Teaching Assistant – Microbiology (BIOL 3120)

2012 Teaching Assistant – Functional Morphology of Vertebrates (BIOL 3400)

2012 Teaching Assistant – Introduction to Biology (BIOL 2020)

Stuart Hall School, Staunton, VA

2010-2011 Faculty – Honors Physics, Physical Science, 8th Grade Biology, Algebra 1

Mentored Students: Vida Motamedi (2015-present), Elizabeth Luebbert (2014-2015), Frank Song Jr. (2014-2015), Elena Thompson (2014-2015), Laura Zemanian (2013-2014), Andrea Goldstein (2013-2014), Kamala Ganesh (2012-2014), Kaitlin Alford (2012)

**Scientific Organizations**

2013- present Society for Integrative and Comparative Biology

2013- present Virginia Herpetological Society

2013- present Herpetologist’s League

2012- present American Society of Naturalists

2012- present Society for the Study of Evolution

2009- present Sigma Xi