

Vanessa Corby-Harris

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Education

Ph.D. (2007) Department of Genetics, University of Georgia, Athens, GA.
B.S., with honors (2001) Department of Animal Science, North Carolina State University, Raleigh, NC.

Publications

Vanessa Corby-Harris, Kristin E. Habel, Fatima G. Ali, and Daniel E.L. Promislow. 2007. Alternative measures of response to *Pseudomonas aeruginosa* infection in *Drosophila melanogaster*. *Journal of Evolutionary Biology*. **20**:526-533.

Joep M.S. Burger, Dae Sung Hwangbo, **Vanessa Corby-Harris**, and Daniel E.L. Promislow. 2007. The functional costs and benefits of dietary restriction in *Drosophila*. *Aging Cell*. **6**:63-71.

Vanessa Corby-Harris, Ana Clara Pontaroli, Lawrence J. Shimkets, Jeffrey L. Bennetzen, Kristin E. Habel, and Daniel E.L. Promislow. 2007. The geographical distribution and diversity of bacteria in natural populations of *Drosophila melanogaster*. *Applied and Environmental Microbiology*. **73(11)**:3470-3479.

Chih-Horng Kuo, **Vanessa Corby-Harris**, and Daniel E. L. Promislow. In press. The unavoidable costs and unexpected benefits of parasitism: population and metapopulation models of parasite-mediated competition. *Journal of Theoretical Biology*.

Publications in review

Vanessa Corby-Harris and Daniel E. L. Promislow. Geographic variation for resistance to bacterial infection in *Drosophila melanogaster*.

Vanessa Corby-Harris and Daniel E. L. Promislow. Genetic variation for resistance to bacterial infection in *Drosophila melanogaster*.

Professional Experience

Postdoctoral Fellow, with Dr. Teri Markow, University of Arizona, Department of Ecology and Evolution. August 2007-present.

Ph.D. Student, with Dr. Daniel Promislow, University of Georgia Department of Genetics. 2002-present. "Genetic and ecological sources of variation for resistance to bacterial infection in natural populations of *Drosophila melanogaster*."

Research Technician, with Dr. Trudy Mackay, North Carolina State University, Department of Genetics, Raleigh, NC. 2001-2002.

Selected Fellowships and Grants

- NIH-funded Postdoctoral Excellence in Research and Teaching (PERT), August 2007.
Funding for postdoctoral study with Therese A. Markow, Department of Ecology and Evolutionary Biology, University of Arizona, Tucson, AZ.
- UGA Franklin College of Arts and Sciences Travel Grant. 2005. For travel to the 47th Annual *Drosophila* Research Conference in Houston, Texas in March 2006. \$500.
- UGA Graduate School Travel Grant. 2005. For travel to the 47th Annual *Drosophila* Research Conference in Houston, Texas in March 2006. \$500.
- Alton Fellowship from the Department of Genetics, 2005-2006.
- National Science Foundation Doctoral Dissertation Improvement Grant (DEB-0508785), "DISSERTATION RESEARCH: The Evolutionary Ecology of Resistance to Infection in Natural Populations of *Drosophila*," 2005-2007, \$11,199.
- National Institutes of Health Training Grant to the UGA Department of Genetics. Predoctoral Research Assistantship. 2004-2005.
- UGA Graduate School Travel Grant. 2004. For travel to the Evolution Conference in Fort Collins, Colorado. \$500.
- VW Innate Immunity Travel Grant. May 2004. For travel to the Workshop on Innate Immunity at the Max Planck Institute for Limnology in Ploen, Germany.

Presentations at Professional Meetings

- 48th Annual *Drosophila* Research Conference, Philadelphia, PA. (2007) Talk entitled "The relationship between immunity and microbial community richness across natural populations of *Drosophila melanogaster*."
- Society for the Study of Evolution Conference, Stony Brook, New York. (2006) Talk entitled "Geographic variation for both resistance and microbial community richness in *Drosophila melanogaster*."
- Southeastern Ecology and Evolution Conference, Tuscaloosa, Alabama. (2006) Talk entitled "Geographic variation in resistance to bacterial infection in natural populations of *Drosophila melanogaster*."
- 47th Annual *Drosophila* Research Conference, Houston, Texas. (2007) Poster entitled "Resistance to bacterial infection in *Drosophila melanogaster* populations collected across a latitudinal cline."
- Evolution Conference, Fort Collins, Colorado. (2004) Poster entitled "Genetic variation for resistance to bacterial infection in *Drosophila melanogaster*."
- Workshop on Innate Immunity at the Max Planck Institute for Limnology, Ploen, Germany. (2004) Poster entitled "Genetic variation for resistance to bacterial infection in *Drosophila melanogaster*."

Teaching and Mentoring Experience

- Leader, Genetics department graduate student journal club. Fall 2006.
- Research Mentor, undergraduate student research
Kristin Habel, Spring 2005 – present (MBIO 4960H, GENE 4960)
Kelly Eaton, Fall 2005 (GENE 4960)

Teaching Assistant, Evolutionary Biology (Fall 2003), Principles of Biology II (Spring 2003), Introductory Genetics Lab (Fall 2002)
NCSU Undergraduate Teaching Assistant, Basic Agricultural Genetics (2000-2001)

Membership

Society for the Study of Evolution
American Society for Microbiology
Blue Key National Honor Society