

# Curriculum Vitae

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## EDUCATION

- 2008 Ph.D. expected, Population Biology Graduate Group, University of California, Davis
- 2003 Masters by Examination: Population Biology Graduate Group, University of California, Davis
- 2001 B.S. Major: Biology Minor: Biological Anthropology, University of Oregon, Summa Cum Laude, Honors

## RESEARCH APPOINTMENTS

- 2001-2002 Post-graduate Research Assistant, Center for Ecology and Evolution, University of Oregon, Laboratory of Patrick Phillips.
- 2001 SPUR Fellow, University of Oregon.
- 1998-2001 Undergraduate Research Assistant, Center for Ecology and Evolution, University of Oregon. Advisors: Michael Lynch, Patrick Phillips.

## FUNDING/AWARDS

- 2006 AGEP Advantage Fellow
- 2004, 2006 Henry A. Jastro Shields Graduate Research Award
- 2005, 2003 Center for Population Biology Student Research Grant
- 2002 NSF Pre-doctoral Fellowship
- 2002 Cota Robles Fellowship, University of California, Davis.

## PUBLICATIONS

- In press Ajie, B.C., Pintor, L., Kerby, J., Watters, J., Hammond, J. and Sih, A. A framework for determining the fitness consequences of anti-predator behavior. *Behavioral Ecology*
- 2005 Ajie, B.C., Estes, S.E., Lynch, M., Phillips, P.C. Behavioral degradation under mutation accumulation. *Genetics*: 170:650-655.
- 2005 Estes, S.E., Ajie, B.C., Lynch, M., Phillips, P.C. Spontaneous mutational correlations for life-history, morphological, and behavioral characters in *Caenorhabditis elegans*. *Genetics*: 170:645-654.
- 2003 Jovelin, R., Ajie, B.C., Phillips, P.C. Molecular evolution and quantitative variation for chemosensory behaviour in the nematode genus *Caenorhabditis*, *Molecular Ecology*, 12:1325-1337.

## PRESENTED PAPERS

- 2006 American Society of Ichthyologists and Herpetologists, New Orleans, LO
- 2004 Society for the Study of Evolution, Fort Collins, CO

2004 Ecological Society of America, Portland, OR  
2004 Gordon Research Conference on Genes and Behavior, Ventura, CA  
2002 Society for the Study of Evolution, Champaign, IL  
2001 CalPEG, Santa Barbara, CA  
2000 Animal Behavior Society, Corvallis, OR

### **PROFESSIONAL SERVICE**

Review for *Ecology*

### **OTHER EXPERIENCE**

2006 Stickleback Molecular Genetics Course, Stanford University  
2003 Organization for Tropical Studies, OTS3-3 Research Course

### **OUTREACH**

- I am working with the California Department of Fish and Game, the Putah Creek bio-monitoring team, and local fishing clubs to increase understanding and awareness of the invasive New Zealand mudsnail. The Granite Bay Flycasters Association has generously made two funding contributions to my work in this area. We recently completed a study comparing the effectiveness of different chemicals at killing mud snails that become attached to fishing and research equipment. The results of that study will be instrumental in preventing the accidental spread of mud snails by fishermen and field researchers.
- I volunteer as a docent at Stebbins Cold Canyon (one of the UC reserves) leading hikes aimed at educating the community about local ecosystems, conservation efforts and public policy issues.
- I have supervised four undergraduate students each of whom was required to submit, in written proposal format, a project of her own design. We then worked together to carry out the projects and analyze the results. One of these projects is currently in preparation for publication.
- I served as a graduate student mentor in the McNair Program whose goal is to prepare undergraduates who are low-income, first-generation or from underrepresented groups for doctoral study.
- I am a mentor in the SLEWS program which engages high school students in ecological restoration projects in their local community.