

**Matthew K. Fujita**  
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Museum of Vertebrate Zoology  
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### Education

Graduate student University of California, Berkeley	<i>current</i> GPA: 4.00 (as of July 2008)
B.S., Cell Biology University of California, Davis	June 2001 GPA: 3.95

### Research Interests

Molecular Evolution, Evolutionary Genomics, Systematics, Herpetology

### Research Experience

2003-*present*. Graduate Student. Department of Integrative Biology at the University of California, Berkeley (Advisors: Jimmy A. McGuire and Craig Moritz).

2001-2003. Lab Manager. Laboratory of Brad Shaffer at the University of California, Davis.

1999-2001. Undergraduate Researcher. Laboratory of Brad Shaffer at UC Davis.

### Computational Skills

Perl, C++, Objective-C, R

### Teaching Experience

2006-2007	GK-12: Exploring California Biodiversity; 7 <sup>th</sup> grade, Adams Middle School, Richmond, CA. NSF Graduate Fellow.
2004	Integrative Biology 175L: Herpetology. Graduate Student Instructor (GSI), Spring 2004.
2003	Biology 1B: Introductory Biology. GSI, Fall 2003.
2001	Biological Sciences 104: Regulation of Cell Function. Teaching Assistant.
1998-1999	UC Davis Learning Skills Center. Tutor in chemistry and calculus.

### Awards and Honors

2008	NSF Doctoral Dissertation Enhancement Program (US-Australia), \$11,200
2008	Phi Beta Kappa Fellowship, Northern California Chapter, \$5000
2008-2009	NSF Doctoral Dissertation Improvement Grant, \$12000
2007	UC Berkeley Graduate Division Conference Travel Grant, \$500
2007	MVZ Alexander Fund, \$2000
2006	MVZ Kellogg Fund, \$2000
2006	Integrative Biology Departmental Funds, \$4300
2005	East Asian Pacific Summer Institute Program (NSF), ~\$5000
2004	Environmental Protection Agency STAR Fellowship, declined
2004	National Science Foundation Graduate Research Fellowship (NSFGRF)
2003	Museum of Vertebrate Zoology (MVZ) Kellogg Fund, \$1500
1997-2001	UC Regent Scholar and Member of Integrated Studies
1997-2001	Deans List, Division of Biological Science
2001	Phi Beta Kappa Honor Society
2001	Distinguished Senior Award
2001	Graduated with Highest Honors
2000	Presidential Undergraduate Fellowship, \$2000

2000 Summer Honors Advanced Research Program, \$3000 stipend; \$500 for research  
1999, 2000 Tracy I. Storer Scholarship  
1999 Phi Kappa Phi Honor Society  
1999 Golden Key Honor Society

### Presentations

**Fujita, M.K.**, J.A. McGuire, S.C. Donnellan, and C. Moritz. Systematics and biogeography of the Bynoe's gecko (*Heteronotia binoei*; Gekkonidae). Paper presented at Evolution 2008, Minneapolis, MN.

**Fujita, M.K.** Genome evolution in the parthenogenetic geckos. Part of a Tree of Life workshop organized by Adam Leache and sponsored by CIPRES, University of California, Berkeley. 2008.

**Fujita, M.K.**, J.L. Boore, C. Moritz. Origin and evolution of mitochondrial genome duplications in parthenogenetic geckos of the *Heteronotia binoei* complex. Paper presented at Evolution 2007, Christchurch, New Zealand.

Leache, A.D., **M.K. Fujita**, R. Diaz, and T. Papenfuss. Field Trips to West Africa. Museum of Vertebrate Zoology, University of California, Berkeley. 2004.

**Fujita, M.K.**, H.B. Shaffer, and A.M. Picco. Conservation genetics of the red-legged frog, *Rana aurora draytonii*. Poster presentation at the 2003 Evolution meetings in Chico, California.

Shaffer, H.B., **M.K. Fujita**, and D.E. Starkey. Examining the effects of Pleistocene climate shifts with gene genealogical data. Presented paper at 2003 Evolution meetings in Chico, California.

**Fujita, M.K.**, D.E. Starkey, and H.B. Shaffer. Genetic Homogeneity in the Common Snapping Turtle: Rapid Colonization or Selective Sweeps? Poster presentation at the 2001 Evolution meetings in Knoxville, Tennessee.

### Publications

Kearney, M., **M.K. Fujita**, and J. Ridenour. In press. Lost sex in the reptiles: constraints and correlations. Invited review for an edited book *Lost Sex*.

Shaffer, H.B., D.E. Starkey, and **M.K. Fujita**. 2008. *Molecular insights into the systematics of the snapping turtles (Chelydridae)*. R.J. Brooks, A.C. Steyermark, and M. S. Finkler, eds., *Biology of the Snapping Turtle (Chelydra serpentina)*. John Hopkins University Press, Baltimore.

**Fujita, M.K.**, J.L. Boore, C. Moritz. 2007. Multiple origins and rapid evolution of duplicated mitochondrial genes in parthenogenetic geckos (*Heteronotia binoei*; Squamata, Gekkonidae). *Molecular Biology and Evolution* 24:2775-2786.

Leache, A.D., M.-O. Rödel, C.W. Linkem, R.E. Diaz, A. Hillers, and **M.K. Fujita**. 2006. Biodiversity in a forest island: reptiles and amphibians of the Togo Hills, Kyabobo National Park, Ghana. *Amphibian and Reptile Conservation* 4(1): 22-45.

Rödel, M-O., M. Gil, A.C. Agyei, A.D. Leaché, R.E. Diaz, **M.K. Fujita**, and R. Ernst. 2005. The amphibians of the forested parts of south-western Ghana. *Salamandra*: 41: 107-127.

**Fujita, M.K.**, T.N. Engstrom, D.E. Starkey, and H.B. Shaffer. 2004. Turtle phylogeny revisited: insights from a novel nuclear intron. *Molecular Phylogenetics and Evolution* 31: 1031-1040.

### Students

Lesley Paman (Undergraduate, MCB and Linguistics; Biology Fellows Program), 2006 - current  
Brandon Endo (Undergraduate, MCB, SURF Program), 2006-current  
Jessica Ridenour (Undergraduate, IB), 2007

**Societies**

Society for the Study of Evolution, Society for the Study of Amphibians and Reptiles, Society of Systematic Biologists, American Society of Ichthyologists and Herpetologists, American Society of Naturalists, Society for Molecular Biology and Evolution

**Reviewer**

*Zoologica Scripta, Copeia*