

**CURRICULUM VITAE**  
ELIZABETH A. KEMPTON

**EDUCATION**

Ph. D. (in progress), Botany. Rancho Santa Ana Botanic Garden at Claremont Grad. Univ., California. 9/05-present  
Dissertation project: Systematics of the *Eriogonum* clade (Polygonaceae, Eriogonoideae)  
Post-baccalaureate, GIS certification. California State University–San Bernardino, California. 9/03-12/04  
Bachelor of Science, Biology, Honors. California State University–San Bernardino, California. 9/99-7/03

**RESEARCH AND TEACHING EXPERIENCE**

**Research Assistantships:** Rancho Santa Ana Botanic Garden at Claremont Graduate University. CA  
Phylogenetics of the *Tetramerium* lineage (Acanthaceae) 1/08-present  
Microsatellites in *Sclerocactus* (Cactaceae) 9/07-12/07  
Low copy nuclear markers in *Sclerocactus* (Cactaceae) 1/07-05/07  
The Trinity (Herbarium, Seed and Living Collections) 9/06-12/06  
Microsatellite cloning for mapping in *Argyroxiphium* (Asteraceae) 9/05-05/06

**Lecturer:** California Polytechnic University, Pomona  
Teaching Plant Form and Function Laboratory 9/07-12/07

**Internship:** Student Conservation Association (SCA). So. California and So. Wyoming  
Field data collection for *Landfire* fire-fuels and vegetation mapping/monitoring project 2/05-7/05

**Internship:** Santa Ana Watershed Project Authority. Riverside, CA  
Geographic Information Systems data mapping and analysis 8/04-2/05

**Student Internship:** Rancho Santa Ana Botanic Garden. Claremont, CA  
Comparative micro- anatomy and morphology of *Dubautia* spp. (Asteraceae) 6/04-8/04

**Laboratory Assistant:** Northwest Mosquito and Vector Control. Corona, CA  
Field mosquito monitoring and encephalitis virus surveillance 3/04-6/04

**Student Internship:** Metcalf Laboratory CSU–San Bernardino, CA (sponsored by Water Res. Inst., CSUSB)  
Phylogeography of the Santa Ana speckled Dace *Rhinichthys osculus* subsp. (Cyprinidae) 6/03-9/03

**Independent Study:** Metcalf Laboratory California State University–San Bernardino CA  
Population genetics of *Dipodomys nitratooides* subsp. (Heteromyidae) from museum specimens 6/02-03/04

**PRESENTATIONS (with published abstracts)**

Kempton, E. and J.T. Columbus. 2007. Phylogenetics of the *Eriogonum* clade (Polygonaceae, Eriogonoideae) based on nuclear and chloroplast sequences. Botany 2007.  
Kempton, E. and J.T. Columbus. 2007. Phylogenetics of Polygonaceae subfamily Eriogonoideae. California Botanical Society Graduate Student Meeting 2007.  
Kempton, E. A. and A. Metcalf, Poster. 2004. Genetic variation in local freshwater fish *Rhinichthys osculus* subsp.: a molecular analysis of Santa Ana Watershed populations. 4<sup>th</sup> Ann. Water Res. Inst. Conf.: So. Cal. Water Infrast.

**GRANTS AND AWARDS**

RSABG Graduate Research Funds, \$3800. Rancho Santa Ana Botanic Garden. 2007  
Certificate of Appreciation (as Botany Representative) Graduate Student Council CGU. 2007  
RSABG Graduate Research Funds, \$3800. Rancho Santa Ana Botanic Garden. 2006  
California Desert Research Grant, \$2500. The Community Foundation. 2006  
SCB Annual Grant, \$500. Southern California Botanists. 2005  
Mary Dedecker Grant, California Native Plant Society, \$500. Bristlecone Chapter. 2005  
RSABG Graduate Research Funds, \$1000. Rancho Santa Ana Botanic Garden. 2005  
Certificate of Appreciation (volunteer), San Gorgonio Wilderness Assn.: USFS, San Bernardino NF. 2005  
Certificate of Appreciation (intern), Student Conservation Association. 2005  
Research and Travel Grant, \$800. Associated Students Inc. at California State University– San Bernardino. 2003

**MEMBERSHIP IN SCIENTIFIC ORGANIZATIONS**

Botanical Society of America, 2008.  
Graduate Women in Science, 2007-present.  
American Society of Plant Taxonomists, 2006-present.  
Southern California Botanists, 2005-present.  
California Native Plant Society, 2003-present.  
Society for Conservation Biology, various years 2002-2008.