

## BIOGRAPHICAL SKETCH

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**Address:**

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**Education:**

Ph.D. Candidate, University of California, Berkeley, Department of Integrative Biology, 1999-Present.  
M.S., 1999, Geological Sciences, University of Florida, Gainesville, FL.  
B.S. 1997. Graduated *magna cum laude*, Biology and Geology, Syracuse University, Syracuse, NY.

**Professional Experience:**

Teaching/Research:

Teaching Assistant, University of California, Berkeley, Department of Integrative Biology, 1999-present.  
Research Assistant, University of Florida, 1998-1999.  
Teaching Assistant: University of Florida, Department of Geology, 1997-1998.  
Undergraduate Research Assistant, Department of Biology, Syracuse University, 1995-1997.  
Undergraduate Teaching Assistant, Department of Earth Sciences and Department of Biology, Syracuse University, 1995-1997.

Work/ Miscellaneous:

Employee, University of California Museum of Paleontology, 2000, 2002.  
Employee, Florida Museum of Natural History, University of Florida, 1997-1998.

**C. Selected Honors and Awards:**

Paleobiological Fund, 2001  
Sigma Xi Grants-in-Aid-of-Research, 2001.  
AMNH Theodore Roosevelt Memorial Fund Grant, 2001.  
National Science Foundation Graduate Fellowship Honorable Mention, 1999.  
Southwest Florida Fossil Club Grant, 1998.  
*Phi Beta Kappa*, 1997-present.

Award for Excellence in Research and Academics, Department of Biology, Syracuse University, 1997.

Thomas Kramer Hopkins Award for Excellence in Geology, Department of Earth Sciences, Syracuse University, 1997.

Golden Key National Honor Society, 1995-present.

Dean's List (8 times), Syracuse University, 1993-1997.

Chancellor's Scholarship, Syracuse University, 1993-1997.

### **Publications:**

1. Feranec, R.S. (In Review. *Bulletin of the Florida Museum of Natural History*).  
Development, growth rate, and diet determined from isotopic evidence from the adult canine of *Smilodon gracilis* from the Leisey Shell Pit, Hillsborough County, Florida.
2. Feranec, R.S.(In Review, *Palaeogeography Palaeoclimatology Palaeoecology*).  
Geographic variation in the diet of hypsodont ungulates from the Rancholabrean of Florida reveals more than discrete feeding categories.
3. Feranec, R.S. (In Review, *Palaeogeography Palaeoclimatology Palaeoecology*).  
Isotopic evidence of sabertooth development, growth rate, and diet from the adult canine of *Smilodon fatalis* from Rancho La Brea, California.
4. Feranec, R.S. 2003. Stable carbon and oxygen isotope analysis of marmot cheek teeth from the Pit Locality, Porcupine Cave, Colorado. In Barnosky, A. D. (ed.). *Biodiversity Response to Environmental Change in the Early and Middle Pleistocene: The Porcupine Cave Fauna from Colorado*. University of California Press, Berkeley.
5. Feranec, R.S. 2003. Stable isotopes, hypsodonty, and the paleodiet of *Hemiauchenia* (Mammalia: Camelidae), a morphological specialization creating ecological generalization. *Paleobiology in press*.
6. Feranec, R.S., and MacFadden, B.J. 2000. Evolution of the grazing niche in Pleistocene mammals from Florida: evidence from stable isotopes. *Palaeogeography Palaeoclimatology Palaeoecology* 162: 155-169.

### **Abstracts:**

1. Feranec, R.S. 2002. The growth rate and period of the adult canine in *Smilodon gracilis*, and inferences on diet using stable isotopes. *GSA Abstracts with Programs*.
2. Feranec, R.S. 2002. Key adaptations creating ecological generalization through morphological specialization: evidence from hypsodonty and stable isotopes. *Journal of Vertebrate Paleontology, Abstracts of Papers, Supplement, 22(3):52A*.

3. Feranec, R.S. 2001. Sabertooth growth rate in *Smilodon* estimated from analysis of stable isotopes. ***Journal of Vertebrate Paleontology, Abstracts of Papers, Supplement, 21(3):49A.***
4. Feranec, R.S. 2001. Hemiauchenia, a high-crowned browser from Florida. ***PaleoBios, NAPC Program and Abstracts, Supplement, 21(2):51.***
5. Feranec, R.S., and MacFadden, B.J. 2000. An inexpensive and undestructive method for sampling average lifetime and seasonal  $\delta^{13}\text{C}$  and  $\delta^{18}\text{O}$  variations in paleoungulate tooth enamel. IV International Conference on Bone Diagenesis, Programme and Abstracts, ***TD News 7: 8 (May 2000).***
6. Hoppe, K.A., Feranec, R.S., Amundson, R. 2000. Isotopic Analysis of Equid Teeth as a Paleoenvironmental Indicator. ***Paleograsslands Conference June 2000.***
7. Amundson, R, Hoppe, K.A., and Feranec, R.S. 2000. Isotopic analysis of equid teeth as an environmental proxy: correlation between the carbon isotope ratios of tooth enamel and the C-3/C-4 ratios of local grasslands. ***GSA Abstracts with Programs 32(7): A14-15.***
8. Feranec, R.S. 1999. Evolution of the grazing niche in Pleistocene mammals from Florida: evidence from stable carbon and oxygen isotopes. ***Journal of Vertebrate Paleontology, Abstracts of Papers, Supplement, 19(3):44A.***