

**Ronald Treminio**

Graduate student: MS Wildlife Sciences

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*Previous Research*

I received my Bachelors of Science in Ecology at California State University Long Beach. While at CSU Long Beach, I studied several aspects of behavioral ecology that include vigilance and foraging behavior in relation to predation risk, social behavior of passerine birds and singing behavior of urban bird species in relation to human disturbance. Additionally, I studied the mechanisms birds use to track the vigilance of con-specifics. During my last year at Long Beach, I conducted a comparative study of the retinal ganglion cell layer of various bird species to examine inter-specific differences in visual acuity. After graduating, I moved to Las Cruces, New Mexico to study the ecology of Burrowing Owls.

*Current Research*

I am currently working on my Masters of Science at NMSU. My research is part of a large scale international project investigating the ecology of Burrowing Owls across six grasslands in the Great Plains. My thesis work involves the use of stable isotopes to determine the molt pattern of Burrowing Owls and whether there is a difference in timing and extent of molt among populations. This information will be used to identify migratory routes and wintering areas. Additionally, I am investigating how owl productivity and nest success affects the molting schedule of owls.

