

GENETIC ANALYSES OF THE NORTH AMERICAN MOUNTAIN GOAT (*OREAMNOS AMERICANUS*)

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Abstract: For this talk we will review recent molecular studies regarding the evolutionary ecology of mountain goats (*Oreamnos americanus*). We will briefly review the evolutionary history, immunogenetic diversity, and population / landscape genetic structure of the mountain goat across its native range. We will discuss the observed temporal dynamics in genetic variability at Caw Ridge (CR) and the ongoing gene-trait association studies involving CR and southeast Alaska. Specific emphasis will be placed on the potential conservation and management considerations that stem from this work.

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