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

AARON B.A. SHAFER¹, Department of Biological Sciences, University of Alberta, Edmonton, AB, Canada T6G 2E9;
STEEVE D. CÔTÉ, Département de biologie and Centre d’études nordiques, Université Laval, Québec, QC, Canada, G1V 0A6
DAVID W. COLTMAN, Department of Biological Sciences, University of Alberta, Edmonton, AB, Canada T6G 2E9

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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¹ Email: shaferab@gmail.com