



Thursday, October 18th - 4pm - WLDF 258
WiGSS **EcoSeries** Seminar Presents:



Jessica Abbot, Wildlife Biologist, Institute for Wildlife Studies

Connecting genetic diversity to ecosystem functioning: the effects of genotypic richness, genetic relatedness, and trait variation in a seagrass community

Genetic diversity within key species can play an important role in the functioning of entire communities. However, the extent to which different dimensions of diversity (e.g., the number of genotypes vs. the extent of genetic differentiation among those genotypes) best predicts functioning is unknown and may yield clues into the different mechanisms underlying diversity effects. In this presentation, Dr. Abbott tests the assumption that genetic relatedness can be used as a proxy for trait differentiation and explores how different metrics of intraspecific genetic diversity influence competition and functioning in a seagrass community.

