

ECL 290 - The conservation genomics of fragmented populations

CRN: 20998

Time: TBD (based on student availability); contact Shannon Kieran at sckieran@ucdavis.edu by 12/13 if you are interested in participating so a date and time can be selected

Organizer: Shannon Kieran (postdoc in the Genomic Variation Laboratory)

Faculty sponsor: Andrea Schreier

Course description: Across the globe, habitat loss has fragmented previously-connected populations of species throughout the tree of life. In this course, students will read and present on current papers that examine how habitat fragmentation affects organisms at the population, species and ecosystem level, with an emphasis on the genomics of conserved species.

Learning objectives: During this course, students will learn to read and discuss conservation genomic literature, examine methods of analyzing habitat fragmentation and population connectivity, and use the literature to consider how to design experiments for fragmented populations.