

BIO 8451: Molec Evolutionary Genetics

Explores use of molecular data to infer histories of populations and species. Using DNA sequence data, fragment analyses, and whole genome analysis, examines theoretical foundations of molecular evolution such as the neutral theory of molecular evolution and Bayesian statistical methods as it applies to both population genetics and phylogenetics. Practical aspects of downloading, aligning and analyzing DNA sequence data from public databases. Includes student presentations and discussion of primary literature.

Credits: 3.0

Program: [Biology](#)