



Sacramento's 26th Annual Darwin Day Celebration Has a New Home!

Saturday, February 4, 2023

6:30 PM to 9:30 PM

MOSAC400 Jibboom St. Sacramento, CA



Presentation Abstract

The Race Between Climate Change and Natural Selection

We often think of evolution as a process that happens over millions of years, creating new species and leaving behind curious fossils. But when the environment changes rapidly, natural selection can be rapid too. In recent years, humans have been one of the dominant drivers of environmental change, through habitat conversion, pollution, and climate change. Through this global 'experiment' we have begun to understand that evolution does not have to be a long, slow process, and in some cases evolutionary changes can happen very quickly. In this talk, we will discuss the evolutionary consequences of climate change and how organisms do (or don't) adapt to their ever-changing environmental conditions. We will discuss examples of human-induced evolution, how evolution might inform plans for conserving biodiversity, and whether we can predict how evolution will proceed in the Anthropocene.

