



Adaptation in a changing world: human influences on evolution.

Kiyoko Gotanda, Friday, October 2, 2020

3:00 – 4:00 PM, Zoom Virtual meeting room

Presentation: Humans pose major threats to the generation and maintenance of biodiversity on the planet. Humans can alter evolution through a variety of mechanisms. For example, the increase in urbanization (development of villages, towns, and cities) has a strong effect on ecological and evolutionary processes. Another example is the introduction of non-native predators, an impact known to be closely correlated with local extinction events. These strong, human induced pressures could be fundamentally altering the evolutionary processes underlying species diversification and the maintenance of such biodiversity. Here, I present examples of humans altering selective pressures, and what the consequences of this are.

About the speaker: Dr. Kiyoko Gotanda is a post-doctoral researcher at Sherbrooke University and is also wrapping up a postdoc at the University of Cambridge. Her research focuses on the intersection of evolution, ecology, and behavior. This work broadly seeks to understand how variation in selective pressures affects the origins and evolution of biological diversity. More specifically, Dr. Gotanda focuses on adaptation and how it is affected by spatial and temporal variation in selection. Understanding such processes is critical in contemporary times due to humans having an unprecedented influence on the environment.



Seminar information: This seminar will be held virtually via Zoom. To log into the seminar please use the following web link:

<https://fresnostate.zoom.us/j/93828128141?pwd=K2NuaEExTGpLVWM0N2lvWnpETHMyQT09>

Passcode: 542050