

GRADUATE EXIT SEMINAR

MARCO SCARASSO

The influence of environmental drivers and biological invasion on intraspecific variation in crayfish behavior



Environmental heterogeneity in streams can be driven by both natural and anthropogenic factors and can lead to intraspecific variation in traits of stream-dwelling crayfish. The rusty crayfish and virile crayfish, in particular, are distributed across a wide geographic range largely due to introductions outside of the native ranges. Previous research on these two species have demonstrated significant intraspecific variation in behavior traits across populations of both species. Here I investigated: 1) whether behavioral differences across populations of the rusty crayfish are associated with their invasion status (e.g. native vs non-native), and 2) what environmental drivers (predation risk, resource availability, and climate) are associated with variation in behavior of both rusty and virile crayfish.

Advisor: Dr. Lauren M. Pintor

THURSDAY, AUGUST 12, 2021
11:00 A.M.

Join the seminar via Zoom:

<https://osu.zoom.us/j/97816525290?pwd=Tk1OOFQ4ZmMyRzIYRUNYanY1NzZKQT09>