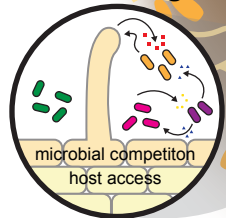


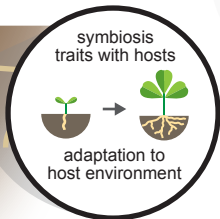
Challenges in
biphasic
lifecycles

Rhizobia symbiont
genus *Ensifer*

Free-living

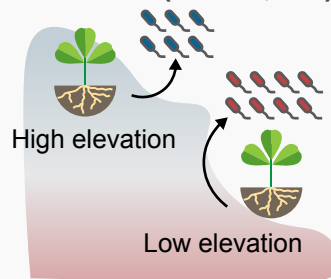


Within-host

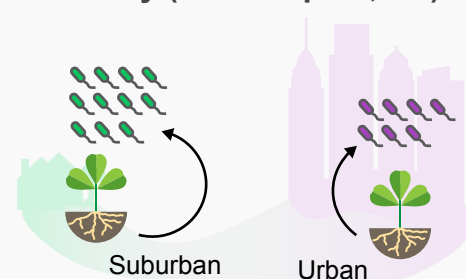


How to juggle these two stages to maximize fitness?

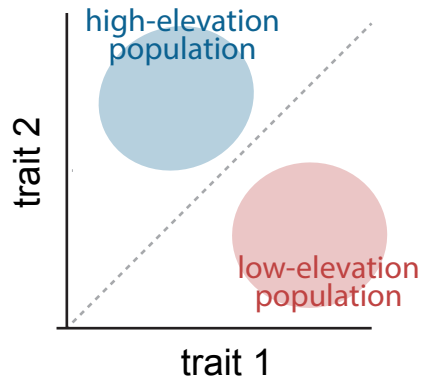
Mountain (MLBS, VA)



City (Philadelphia, PA)



Population divergence



No divergence

