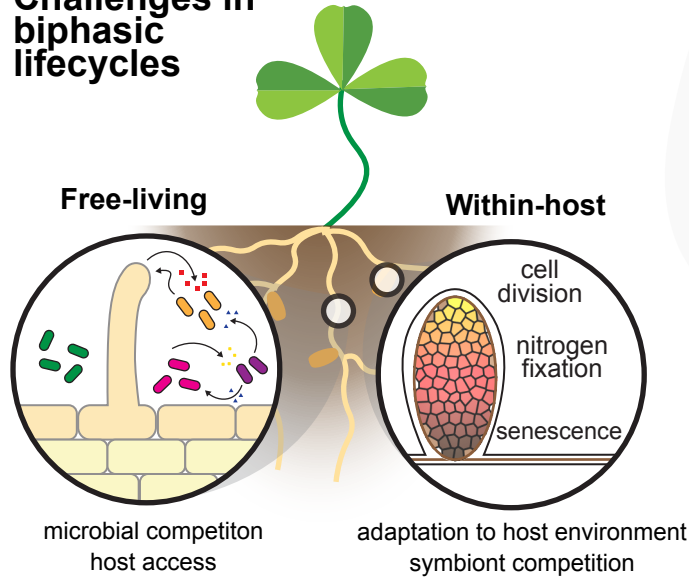


A Challenges in biphasic lifecycles

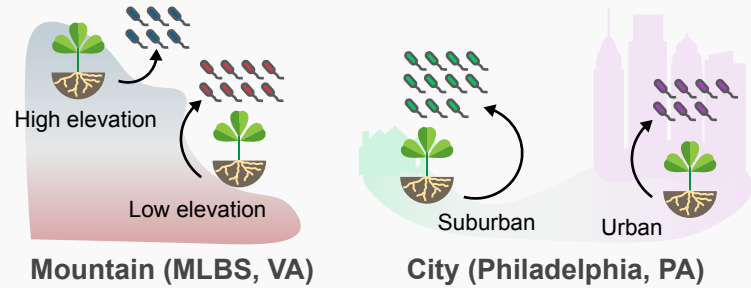


Free-living assays:
growth curve

Within-host assays:
Plant experiment (I)
native host *Medicago lupulina*
Plant experiment (II)
novel host *Medicago sativa*

B

Two environmental gradients



C

