

## **Diversifying our understanding of plant-environment interactions**

While plants are sedentary, their bodies often traverse long distances as they explore their local environment in search of resources necessary for growth. The biology of root systems is governed by both micro-scale and systemic signaling that allows the plant to integrate these complex variables into growth and branching decisions that ultimately determine the efficiency resources are captured. Research in my lab is aimed at understanding the response of roots to water-limiting conditions and is exploring this process at different organizational scales from the individual cell type to the level of the whole plant.