

Speaker: Travis Lee, Salk Institute for Biological Studies

Talk Title: Spatial-omics in Plants: The How, When, Where, and Why

Abstract: Spatial-omic technologies enable the high-throughput investigation of gene regulatory dynamics at cellular resolution within the native arrangement and context of cells within tissues. While implementation of these technologies has enabled novel discoveries in many systems, the application of spatial technologies in plants can present unique challenges and opportunities not present in animals. Here, considerations in the design and application of spatial technologies in plants will be discussed, with case studies detailing how spatial-omic technologies have enhanced our understanding of our single-nucleus atlas of Arabidopsis development.