

Biology Seminar

Speaker: Siobhán Brady, Ph.D.

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Environmental integration with cell type development

Monday Oct. 28, 2024 | 12:00 PM PDT | HCK 132



A plant's roots serve as a major line of defense against environmental stress to protect the plant as a whole. Roots of diverse plant species have found ways to deal with stress by devising responses, often within individual cell types, to resist drought, mineral deficiencies, pathogens and other insults that impair plant growth. I will present my lab's research that uses systems, and developmental biology approaches to interrogate the transcriptional networks that function in response to many of these environmental stresses in tomato and sorghum.