



**DR. SONA PANDEY**

## **New Insights from Plant G-protein Signaling Mechanisms**

The overarching goal of our research is to understand the mechanistic basis of how environmental changes re-model and modulate signaling pathways in plants to optimize their growth and development. We focus on the heterotrimeric G-proteins, which are key regulators of stress responses and yield in plants. We use multidisciplinary approaches, and organisms that span from mosses to crop plants, with the long-term goal of re-engineering these systems to address environmental and agricultural problems.

**Fall 2024 PSLA**

**LECTURE**

**SERIES**

**September 30, 2024**

**PLS Building RM  
2107/2109**

**Time:**

**12PM**

**[UMD Zoom](#)** (passcode:  
326994)

**Graduate student  
lunch w/ speaker**

**1PM**

**PLS 2107/2109**

Dr. Sona Pandey is a Principal Investigator at the Danforth Plant Science Center in St. Louis. She obtained her educational degrees in India, followed by a post-doctoral training at Penn State University. She joined the Danforth Center in 2008. Her research focus is to elucidate the signaling and developmental mechanisms that affect plant productivity. She is also passionate about training the next generation of plant scientists, and effective science communication.