

**Saturday, October 10, 11:45-12:35 p.m.**

**Ivan Baxter, Ph.D., Donald Danforth Plant Science Center**

**Location, Location, Location, and Genetics! Elemental profiles reveal insights into how crop plants adapt to their environment**

Plant elemental profiles are determined by interactions between a plant's genetic background and its growth environment. I will discuss our efforts to understand these processes and what they can tell us about how crops adapt to their environment.