Freezing damage requires membrane remodeling and photosynthesis requires thylakoid dynamics

Out-of-season cold snaps are increasing with changes in weather patterns, and resultant crop and landscape damage can have large economic impacts. Roston will review mechanisms to withstand cold and freezing in plants and recent data on critical post-translational signals, which control membrane responses to freezing. She will also discuss the relevance of thylakoidal membrane dynamics to efficient plant growth and development.