

5th annual IPBB Symposium

Saturday, November 4th, 2017

Science Laboratory Building Room 121

- 8:30-9:00AM** Mingle and grab donuts/bagels/drinks
- 9:00-9:05** Opening remarks by John Sedbrook
- 9:05-9:30** John Sedbrook lab (Tyler Telander and Katy Haag / Ashley King): Phenotypic Effects of the Mis-expression of *PMT-like* Genes in *Brachypodium distachyon*; Reducing seed pod shatter in the new oilseed winter cover crop pennycress (*Thlaspi arvense*).
- 9:30-9:45** Martha Cook lab (Rachel Offenheiser): Seta development in *Coleochaete pulvinata*.
- 9:45-10:00** Patrick Murphy (ISU Horticulturist / Curator-Fell Arboretum): Today's Fell Arboretum.
- 10:00-10:30** Break
- 10:30-10:45** Vickie Borowicz lab (Jessica Fowler): Takeover on the Tallgrass Prairie: How *Lespedeza cuneata* affects the arthropod community.
- 10:45-11:10** Diane Byers lab (Joy Hall and Robert Philips): The impact of Species and Functional group diversity on phosphorus removal in a constructed wetland; Does seed source impact *Chamaecrista fasciculata*'s success in a restored tallgrass prairie?
- 11:10-11:35** Viktor Kirik lab (Christy Fornero and Trevor Rickerd): Regulation of the Cell Wall and the Microtubule Cytoskeleton in Arabidopsis; *GLH3* is a putative pectate lyase gene that is required for papillae formation on trichome cell walls.
- 11:35-11:55** Roger Anderson: White-tailed deer (*Odocoileus virginianus*) and fire effects on flowering diversity of tallgrass prairie forbs.