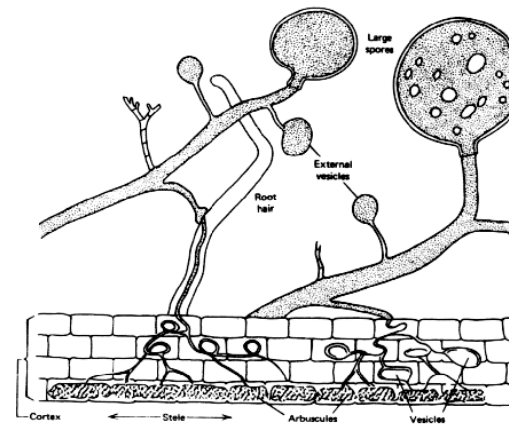


New course!
BOT4935 - Plant Symbioses

Spring 2014 - Dr. E. Christine Davis
Tuesdays, Periods 6 – 7 (12:50 – 2:45)
2 credits



“Symbiosis is not simply a type of interaction in the continuum of benefit and harm. It is a first-order process in the evolutionary diversification of living organisms, a crucial element to physiological function of most eukaryotes, and a major determinant of the structure of ecological communities.”

– Angela E. Douglas, *The Symbiotic Habit*

In this course, we’ll ask:

- ❖ How is symbiosis defined?
- ❖ How do symbioses form and how are they maintained?
- ❖ How does symbiosis lead to diversification?
- ❖ How important is symbiosis in evolution and ecology?

And we’ll:

- ❖ Examine in detail specific symbioses between plants and bacteria, fungi, animals and other plants.

Our study will consist of short lectures, student-led discussions of texts and primary literature, and **observation and enjoyment of living examples of plant symbioses from the botany greenhouses.**

Grades will be determined based on participation, leading discussion, and short writing assignments.

