



ITHACA COLLEGE  
BIOLOGY DEPARTMENT



Spring 2009  
BIOL-30200 Junior Research Symposium



**Wednesday, April 29**

- 4:00 Steve Warchocki** ([Peter Melcher](#))  
Novel approaches in measuring xylem hydraulic resistance
- 4:15 Brandi Husenitza** ([Kirwin Providence](#))  
Self-expression of plasminogen activator inhibitor type-1 (PAI-1) in neutrophils and the role of PAI-1 in neutrophil motility
- 4:30 Anne Marie Lorefice** ([Peter Melcher](#))  
Why do leaves turn red in autumn? Linking leaf chemistry to seed germination and seedling fitness
- 4:45 Laura Louon** ([Leann Kanda](#))  
Exploratory behavior in the Siberian dwarf hamster, *Phodopus sungorus*

CNS 115

Refreshments served 3:40 p.m. CNS 1<sup>st</sup> floor lobby. ALL ARE WELCOME!  
Please bring your own reusable mug for beverages. Reuse, reduce, recycle.

**Thursday, April 30**

- 4:00 Kurt Wittig** ([Bruce Smith](#))  
Assortative mating between proximate populations of *Arrenurus manubriator* water mites
- 4:15 Allison Girasole** ([Jean Hardwick](#))  
The regulation of neuronal excitability by angiotensin II in chronic heart disease models
- 4:30 Kayla Bullock** ([Bruce Smith](#))  
The cessation of habituation to the female sex pheromone in male *Arrenurus manubriator* water mites
- 4:45 Nicole Johnson** ([Bruce Smith](#))  
Do magnets alter the behavior of the electric fish *Apteronotus albifrons*
- 5:00 David Harris** ([John Hopple](#))  
A comparative analysis of phylogenetic and biological species concepts: relationships within section Lanatuli of the genus *Coprinus*