



SUMMER 2008

RESEARCH IN BIOLOGY



Marina Caillaud

- Which cDNAs influence plant preference in aphids specialized to either alfalfa or clover

Ed Cluett

- Intracellular cholesterol trafficking in eukaryotic cells: mechanisms, routes involvement of actin cytoskeleton, and the identity of intracellular compartments

Jason Hamilton

- Endangered species conservation
- Ithaca College Natural Lands internship possibilities
- Plant-insect ecophysiology

Jean Hardwick

- Neurophysiology

Leann Kanda

- Relationship between exploratory and dispersal movement of juvenile muskrat
- Predator-prey interactions: space and time use of mink and muskrat
- Relationship of social and movement behaviors in dwarf hamsters
- Animal surveys of South Hill

Peter Melcher

- Plant Physiology

Kit Muma

- Research in Canada: Neuroecology of bat/moth interactions

KP Providence

- Identification of the integrin crosstalk mechanism
- Determine the mechanism by which bacteria re-initiate PMN motility

Andy Smith

- Sequencing and biochemical characterization of adhesive proteins used by marine animals
- Identifying factors that control the mechanical properties of biological glues

Bruce Smith Research in **Canada**:

- host / parasite interactions: population dynamics of parasitic mites infesting insect populations
- the evolutionary loss of larval parasitism in water mites
- photopositive response of invertebrates: spectral sensitivities, use of behavioral traps for sampling aquatic communities

Susan Swensen

- Studies in the evolution of plants and their parasites
- Sustainability Projects