

# Lars O. Hedin

Professor of Ecology and Evolutionary Biology  
Ph.D., Yale University, 1989



## Research Interests

Research in Hedin's laboratory focuses on ecosystem analysis, with emphasis on the emergence and maintenance of broad-scale patterns in cycling of nutrients and greenhouse trace gases. Postdoctoral, graduate, and undergraduate students work on diverse topics ranging from local-scale microbial processes to global-scale controls on ecosystem structure and function. Their current interests fall into three general areas: (1) broad controls on nutrient cycles in temperate and tropical forests; (2) emergence of macroscopic ecosystem properties (e.g., ecosystem function and stoichiometry) from Darwinian selection; and (3) biophysical and scaling-based controls on soil-atmosphere exchange of the greenhouse gas methane.

## Areas of Expertise

Ecosystem analysis, with emphasis on the emergence and maintenance of broad-scale patterns in cycling of nutrients and greenhouse trace gases.

## Contact Information

222 Guyot Hall  
Tel 609-258-7325  
Fax 609-258-7892  
lhedin@princeton.edu

Website: [http://www.princeton.edu/eeb/people/display\\_person.xml?netid=lhedin&display=Faculty](http://www.princeton.edu/eeb/people/display_person.xml?netid=lhedin&display=Faculty)