

Lars O. Hedin

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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.

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