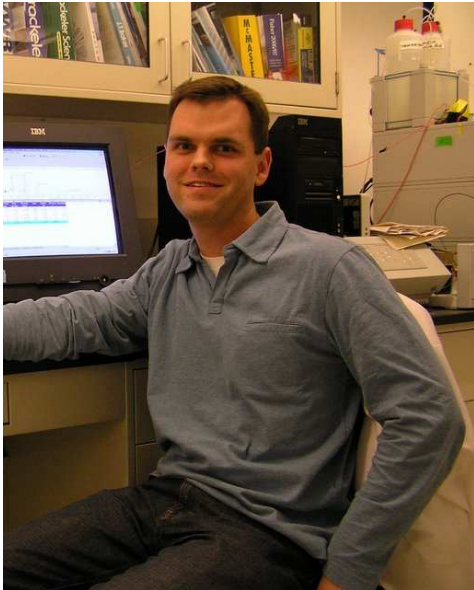


## **Colin Fuss, Lab Technician and M.S. Student**



### **Education**

B.A. Biology, 2004  
Program of Study in Ecology and Evolutionary Biology  
Cornell University, Ithaca, NY

### **Current research interests/activities**

My current research is part of the Hubbard Brook Ecosystem Study and I am involved in the long-term monitoring of the chemistry of drainage waters (soil solution, groundwater, and stream water). The current focus of this project is the continued monitoring of the biogeochemical reference watershed (W6) and the effects of treatment in the calcium addition watershed (W1). For my thesis research I am interested in iron biogeochemistry at Hubbard Brook. I am using a mass balance approach to study the cycling of iron through the forest ecosystem and drainage waters as well as its distribution between oxidized and reduced species.

### **Previous research experience**

Research Support Specialist, Department of Forest and Natural Resources Management, State University of New York College of Environmental Science and Forestry (Supervisor: Ruth Yanai), June 2004-January 2005. Research project focus was studying calcium biogeochemistry across a northern hardwood forest chronosequence in the White Mountains, New Hampshire.

Undergraduate Research Assistant, Department of Ecology and Evolutionary Biology, Cornell University (Supervisor: Jed Sparks), March 2003-May 2004. Research project

focus was plant physiological ecology and foliar uptake of trace gases (ozone and nitrogen dioxide) by trees.

### **Presentations**

July 11, 2007 (oral). *Soluble iron speciation: patterns in soil and stream water at Hubbard Brook*. Hubbard Brook Ecosystem Study Annual Cooperators Meeting, Woodstock, NH.

April 13, 2007 (poster). *Biogeochemical dynamics of iron in soil solutions and stream waters in a northern hardwood forest*. Nunan Research Day, Syracuse, NY.

December 13, 2006 (poster). *Iron dynamics in stream waters and soil solutions of a northern hardwood forest*. American Geophysical Union Fall Meeting, San Francisco, CA.

September 23, 2006 (poster). *Iron dynamics in stream waters and soil solutions at Hubbard Brook*. Long Term Ecological Research - All Scientists Meeting, Estes Park, CO.

July 12, 2006 (oral). *Iron and manganese dynamics at Hubbard Brook, watersheds 1 and 6*. Hubbard Brook Ecosystem Study Annual Cooperators Meeting, Woodstock, NH.

April 25, 2004 (poster). *Leaf uptake of nitrogen dioxide (NO<sub>2</sub>) in black locust (Robinia pseudoacacia)*. Cornell Undergraduate Research Board Spring Forum, Ithaca, NY.