

Adam Roddy



Graduate Institution: University of California

Location: Berkeley, CA

Graduate Discipline: Integrative Biology

Hometown: Chattanooga, TN

Research Interests:

As a plant physiologist, Adam is broadly interested in water transport at the plant and ecosystem scales. In the past, he has worked on carbon accumulation and plant growth under water-limited conditions and has used plant physiology to explain species distributions and coexistence in tropical forests. He is currently focused on elucidating the water dynamics of reproduction in flowering plants and on the role of reproduction in hydrological and biogeochemical cycling, particularly in tropical forests. In his research Adam aims to link the evolution of flowering plants to their role in ecosystem processes. A key component of his work is developing new applications for stable isotopes in ecological research. Adam also maintains strong interests in the human dimensions of carbon cycling and helped develop the human carbon budget for the United States.

About me:

In addition to his scientific research interests, Adam remains involved in educational outreach and policy advocacy. He has advised a rural school in Kenya on curriculum development, organized a popular lecture series about the public understanding of science after the 2005 Dover, PA, intelligent design court case, and co-organized a series of lectures, debates, and an oral history project about the classism inherent in higher education. Adam has also been teaching basic math skills to formerly homeless, single mothers in Philadelphia and most recently to inmates at San Quentin State Prison, where he co-coordinates the introductory mathematics course. Most recently, he has begun fulfilling a longstanding interest in policy advocacy and was a recipient of the 2009 Emerging Public Policy Leadership Award from the American Institute of Biological Sciences.



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