Post-Doctoral Research Associate (2-year position)
Focus: Tropical ecology / Micrometeorology / Carbon cycle science / Remote Sensing
Start Date: January 2006

We seek a post-doctoral scientist to investigate controls on carbon balance in the Amazon of South America, from local to regional-scales. The candidate should have a strong background in either (a) eddy flux methods for quantifying ecosystem-scale exchange of CO₂ and energy, or (b) remote-sensing technologies for characterizing surface or atmospheric processes from the landscape to continental scale. The science goal is to link remote sensing indices to a network of flux tower and forest plot datasets in the Amazon to derive empirical predictions and test models of carbon dynamics at large scales.

The position is based at University Arizona, but the candidate will work with an interdisciplinary team of American and Brazilian scientists. South American candidates are especially encouraged to apply.

This position is part of the NASA-funded Large Scale Biosphere-Atmosphere Experiment in Amazonia (LBA), and provides exceptional opportunities to learn new techniques and to make major scientific contributions to problems of both scientific and societal interest using cutting-edge technology (see web page below for more project details). This is an interdisciplinary research program, and we do not expect candidates to be familiar with all of the relevant methods, although strong physical or biological sciences background is required (e.g., a PhD in atmospheric chemistry, meteorology, tropical forest ecology/biogeochemistry, or remote sensing). We expect to train the successful candidate in the relevant additional disciplines and skills.

Competitive salary and benefits are provided; the University of Arizona is an equal-opportunity employer. To apply, send (electronically) a description of research interests, CV, and the names and contact information of three references to either:

Dr. Scott Saleska
Ecology & Evolutionary Biology
University of Arizona
Tucson, AZ
saleska@email.arizona.edu

Dr. Humberto da Rocha
Departamento de Ciências Atmosféricas
Universidade de São Paulo
São Paulo, Brazil
humberto@model.iag.usp.br

For more information on this project see our web site:
http://eebweb.arizona.edu/faculty/saleska/research.htm