Job: Postdoctoral Researcher in Tropical Ecology and Remote Sensing

Department: DGE – Global Ecology
Salary: Based on experience
Location: Stanford, CA

Postdoctoral Researcher in Tropical Ecology and Remote Sensing

Carnegie Airborne Observatory

The Carnegie Institution for Science is a private organization conducting research for the benefit of humanity. Carnegie’s Department of Global Ecology (http://dge.ciw.edu) undertakes large-scale, cutting-edge scientific studies on the interactions between the Earth’s land, atmosphere and oceans, with the goal of understanding the ways these interactions shape the behavior of the Earth system, including its responses to climate, land-use and biodiversity change.

Carnegie’s CAO program (http://cao.ciw.edu) combines 3D spectroscopic and laser imaging with unique scientific approaches to study, explore, and conserve ecosystems at large geographic scales. The CAO has a rich and growing heritage in exploring uncharted territory on our planet using airborne LiDAR, hyperspectral sensors, and other techniques, often leading to surprising discoveries of broad interest to science and society.


Responsibilities

- Study of tropical forests in the context of light and nutrient availability, plant demography, and/or carbon dynamics
- Research using airborne hyperspectral and LiDAR imaging of tropical forest canopies
- Application of methods to CAO studies regions in Central and South American tropical forests
- Leading and participating in the development of scientific reports, journal papers, and presentations

Qualifications

- PhD degree in forest ecology or equivalent
- Strong background in remote sensing
- Computer programming for geospatial applications (e.g. R, IDL, C)
- Strong writing skills applied to scientific journal publishing
- Fluency in English, written and oral
The position will be based at Carnegie’s Department of Global Ecology on the campus of Stanford University. Salary will be determined based on experience, and the position includes a highly competitive benefits package.

Please apply at https://jobs.carnegiescience.edu/ no later than March 1, 2014.

Apply Now