Yale University

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Senior Spatial Biodiversity Analyst

Yale Program in Spatial Biodiversity Science and Conservation

A three-year position in spatial analysis and research is available in our newly formed program, starting 1 September 2012 or later. The position is to provide spatial data analysis support for ongoing research projects in biodiversity science and conservation undertaken by Yale faculty and students. Start date is flexible and extension beyond three years is possible.

Essential Duties

Work with a team of professors, postdocs and students to support geospatial biodiversity analyses including statistical analysis, development of automated procedures and code (including some web applications), and database management. Provide training in spatial biodiversity analysis.

Education and Experience

1. PhD degree in a relevant area (or equivalent education and experience) and at least five years of experience in the management and analysis of spatial biological data
2. Background in spatial analysis, development of spatial analysis workflows, data management and relational databases, spatial statistics, analysis of remotely sensed data.
3. Strong background in: spatial R, PostGIS, ArcGIS, GRASS, Python, postgreSQL, or similar.
4. Documented experience in managing a team and training others

Skills and Abilities

1. Excellent spatial analysis and database management skills.
2. A strong interest in learning and developing new approaches to support statistical analysis, databasing, and web-delivery of spatial, environmental and biodiversity data and tools.
3. Excellent communication skills
4. Very strong planning and organizational skills, ability to simultaneously tackle multiple projects and work with different research groups
5. Well developed analytical and problem solving skills.

Additional Information

RESEARCH GROUP: The analyst will work with a number of different research groups and students under the umbrella of the new *Program in Spatial Biodiversity Science and Conservation*. Core member labs of this program include those of Walter Jetz, David Skelly, Michael Donoghue, and Eric Sargis.

EMPLOYER: Yale has a thriving community of postdocs and graduate students in ecology, evolution and global change science. The successful candidate will benefit from interactions with the EEB Department, the Yale Institute for Biospheric Studies (www.yale.edu/yibs), the Peabody Museum, the Yale Climate & Energy Institute, and the Yale School of Forestry and Environmental Studies (http://environment.yale.edu). Yale offers extraordinarily competitive and comprehensive benefits and staff support (http://www.yale.edu/hronline/benefits/). Yale and New Haven provide a vibrant and diverse intellectual community in a quintessential New England town setting, 1.5h outside New York City (http://www.yale.edu/newhaven/index.html).

APPLICATION: Please email a short letter of interest, C.V., and the names and contact details of referees (ideally all combined in one pdf) to walter.jetz@yale.edu – subject line: Spatial biodiversity analyst/researcher. Review of applications will begin 15 August, 2012 and continue until the position is filled. This position offers competitive market salary.