

Science staff with the USDA Forest Service Institute of Pacific Island Forestry (IPIF), located in Hilo, Hawaii, are seeking a post-doctoral fellow to assist with our mission towards leading basic and applied research efforts on the conservation, management and restoration of tropical forests in Hawaii and the US Affiliated Pacific (Guam, Northern Mariana Islands, the Marshalls, the Federated States of Micronesia, Palau). For the post-doctoral fellow, research activities will focus on large-scale permanent forest plots in the Pacific, including from the National Ecological Observatory Network (NEON), and forest dynamics plots of the Smithsonian's Forest Global Earth Observatory (ForestGeo - <https://forestgeo.si.edu/>) with an emphasis on the Hawaii and Palau ForestGeo plots (Hawaii Permanent Plot Network HIPNET, <https://forestgeo.si.edu/sites/hawaii>; Palau Permanent Plot Network PIPPNET, <https://forestgeo.si.edu/sites/palau>). The successful candidate will be based in Hilo, Hawaii at the USDA Forest Service Institute of Pacific Islands Forestry. The IPIF has funding to support this fellowship for up to two years.

The goal of these networks and the position is to use highly resolved climate and biogeochemical monitoring data paired with long-term and species-specific forest observations to understand ecological dynamics within and across tropical sites. Through these long-term observations and analyses, insights about forest responses to environmental change can be used to inform conservation and management, while training the next generation of ecologists. The primary objective of the scientists research is to synthesize, analyze, and integrate disparate data streams using available network data. This may include, but is not limited to: tree growth, mortality, and reproductive biomass from long term datasets. Over 90 Domain 20-specific NEON data sets are available via the NEON data portal ([data.neonscience.org](http://data.neonscience.org)) from three observational platforms: aerial (LiDAR, spectroscopy, and high-resolution imagery, etc.); climate instrumentation (precipitation, eddy covariance, temperature, humidity, etc.); and landscape observations (plant diversity, vegetation structure, phenology, ground beetle diversity and abundance, soil microbial DNA, etc.).

We are seeking applicants that have strong analytical training and a promising record of scholarly research, including publications in international journals and ability to generate funding via collaborative proposal submissions. We require that applicants hold a PhD in ecology, forest ecology, or environmental science at the time of hire, and that they possess research experience that is relevant to the goals of the position described above. The researcher will need strong written and communication skills, a demonstrated ability to work in a team environment, and interest in collaborating with an interdisciplinary team of collaborators.

Salary is at the GS-11 level with location-based pay adjustment.

The appointment is for two years, preferably beginning in Fall 2022.

To apply, send a single PDF file containing a cover letter including a statement of research interest, CV, contact information for three references, and three relevant publications or manuscripts to Susan Cordell, USFS-IPIF Director, [susan.cordell@usda.gov](mailto:susan.cordell@usda.gov). Review of applicants will begin July 15, 2022.