

POSTDOCTORAL FELLOW

Evaluate status of composition, distribution, and structure of wet forest and subalpine habitat in Pacific Island Parks

I. SUMMARY OF POSITION:

The University of Hawaii and National Park Service Inventory and Monitoring (I&M) Program seek candidates for a postdoctoral research fellow focusing on plant communities, interactions, and trends in Pacific island parks. The successful candidate will work with extensive wet forest and/or subalpine shrub datasets collected by the Pacific Island I&M Network in four national park units; Hawai'i Volcanoes, Haleakalā, Kalaupapa, and National Park of American Samoa. Responsibilities will include:

- analyze and describe observable change over time in the wet forests of Haleakalā National Park and other Pacific Island parks
- obtain a comprehensive understanding of monitoring protocols and associated data, and develop rigorous, original science with a conservation focus;
- publish high-quality, peer-reviewed manuscripts.

The postdoc is expected to collaborate with I&M botanists, but will have significant latitude to determine the direction of their research agenda. The position will be located in the Pacific Island I&M Network in Hawai'i Volcanoes National Park, located near the academic community and resources at University of Hawaii at Hilo and numerous other ecological research offices.

Required: PhD at time of hire in a relevant discipline (including but not limited to biological sciences, plant biology, community ecology, forestry, biogeography, etc.) and demonstrated track record of creative, productive analysis and research. **Preferred:** Strong quantitative and modeling skills. **Availability:** The position start date is flexible and is a 12 month, full-time position with renewal dependent on satisfactory performance.

II. SCOPE OF POSITION:

- A. **Reports to:** Principal Investigator, Patrick Hart
- B. **Supervises:** n/a
- C. **Budgetary and/or Fiscal Responsibilities:** None
- D. **Signature Authorities:** None.

E. Level of Interaction:

Interacts with Principal Investigator and NPS Pacific Island I&M Network at Hawaii Volcanoes National Park. Must be able to perform field and office related activities with little or no supervision.

III. MAJOR RESPONSIBILITIES

30% 1. Obtain a comprehensive understanding of monitoring protocols and associated data, and develop rigorous, original science with a conservation focus

30% 2. Analyze and describe observable change over time in the wet forests of the Kīpahulu Biological Reserve in Haleakalā National Park and forests within other Pacific Island Parks

30% 3. Publish high quality, peer-reviewed science.

5% 4. Communicate regularly and effectively with PACN staff

5% 5. Performs other duties as assigned

IV. PRIMARY QUALIFICATIONS:

A. Education: Ph.D. at time of hire from an accredited university in biological sciences, plant biology, community ecology, forestry, biogeography, or other biological related discipline

B. Experience: Demonstrated track record of creative, productive analysis and research. Two to four years experience writing scientific papers and technical articles. Experience must include 2-3 peer reviewed publications as primary author.

C. Knowledge: Writing and formatting technical and peer-reviewed publications. Knowledge of plant ecology and strong quantitative skills in statistics and ecological modeling.

D. Abilities and Skills: Ability to utilize word processing, database, and statistical/modeling programs. Ability to communicate via computer based systems including, but not limited to electronic mail, instant messaging, audio/video conferencing and document sharing. Must possess a valid driver's license.

E. Physical and/or Medical Demands: Minimal back country hiking over rough terrain at high elevations carrying backpack weighing up to 30 pounds.

V. SECONDARY QUALIFICATIONS: Knowledge of Hawaiian plant ecology _____ and identification.

Contact Patrick Hart for more information about the position as well as applying.

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