

## **Postdoctoral Position in Ecology and Remote Sensing of Tree Height and Biomass**

The Savanna lab in the Department of Plant and Environmental Sciences at New Mexico State University is seeking applicants for a postdoctoral researcher. Candidates with interests in macroscale patterns in forest structure, tree physiology and phylogeny are encouraged to apply. We are looking for candidates interested to join a team exploring global patterns and drivers of woody plant height, canopy cover, and biomass using space-borne LiDAR systems (e.g. GEDI and ICESat2). The new postdoctoral position will also contribute to Jornada Basin long-term ecological research into vegetation structure and dynamics in drylands of the southwestern USA and elsewhere. The postdoctoral researcher will lead analysis of aboveground biomass estimation using ICESat2 and GEDI, and explore factors and processes determining height and aboveground biomass variability, but with flexibility to also develop complementary new research directions. Our group strongly supports postdoc professional development, including travel for conferences and workshops for scientific networking, skills development, the ability to develop independent project directions and submit proposals.

**Required Qualifications:** Doctoral degree in geography/geospatial analysis, ecology, remote sensing, data analytics or related field. **Preference** for candidates with experience with analysis of geospatial data, LiDAR remote sensing, computer programming, interest in learning new skills and ability to work collaboratively as part of a team.

**To apply:** email the following information (subject line: "Tree Height and Biomass Postdoc") as a single PDF file to [msoss@nmsu.edu](mailto:msoss@nmsu.edu): 1) a cover letter outlining your research interests and prior experience, 2) a detailed CV, and 3) contact information for 3 academic / professional referees. Prospective candidates are encouraged to review the Savanna lab website (<https://savannalab.nmsu.edu/>) and the JRN-LTER website (<https://lter.jornada.nmsu.edu/>) and contact Dr. Niall Hanan ([nhanan@nmsu.edu](mailto:nhanan@nmsu.edu)) to discuss the potential contributions of the successful applicant. NMSU postdoc salaries and benefits are nationally competitive, while the cost of living in Las Cruces, New Mexico is relatively low. Support for travel for fieldwork, conferences and professional development is available. The position is available immediately for one year, with annual renewal possible for a second year subject to satisfactory progress and for additional years depending on availability of funding. Review of applications will begin immediately and continue until the position is filled.

New Mexico State University is an Affirmative Action/Equal Opportunity employer and values equality of opportunity, human dignity, and diversity. We strongly encourage members of marginalized and under-represented groups to apply.