

## **Postdoctoral Research Associate Position: Landscape Analysis and Land Use Planning**

**Posted:** March 19, 2020

**Available:** As soon as possible, review of applications begins immediately

**To apply:** Send a cover letter describing relevant experience, current CV, and list of references directly to Dr. Sarah Lovell, [slovell@missouri.edu](mailto:slovell@missouri.edu).

The **University of Missouri Center for Agroforestry** invites applications for a Postdoctoral Research Associate in landscape ecology and/or regional planning to contribute to the study of transitions in land use to agroforestry and other perennial agroecosystems. Strong skills in spatial analysis and statistical modeling are required, and experience in developing alternative land use scenarios is preferred. Examples of projects include:

- Suitability mapping of the region for specific tree crops and conservation practices
- Analyzing urban regions to target areas for multifunctional green infrastructure plans
- Developing future land-use scenarios and their implications for ecosystem functions
- Predicting implications of climate change on land use and species composition

The successful candidate will work in the **research lab of Dr. Sarah Lovell**, Director of the Center for Agroforestry (<http://www.centerforagroforestry.org/personnel/lovell-s.php>). In addition to conducting independent research, the postdoctoral research associate will be expected to contribute to writing grants, developing innovative research directives, and mentoring graduate and undergraduate students. Dr. Lovell is committed to supporting an interdisciplinary and collaborative work environment that encourages active learning between all participants.

**Required Qualifications:** PhD (at time of start date) in landscape ecology, geography, regional planning, environmental science, or related field with skills in spatial analysis and statistical modeling. Previous evidence of academic scholarship, including peer-reviewed publications is expected. Proven ability to plan and implement independent research projects from start to finish. Commitment to a participating in a collaborative environment.

**Preferred Experience:** Modeling land use change and future scenarios in GIS, mapping ecosystem services, performing spatial statistics, using remote sensing data, and scripting in R or other programming languages.

**Position Location:** The successful candidate will be located within the University of Missouri Center for Agroforestry (UMCA) in Columbia, MO. UMCA was established in 1998 and has grown to become one the world's leading centers contributing to research in agroforestry, the science and practice of intensive land-use management combining trees and/or shrubs with crops and/or livestock. The Center has been recognized as a Program of Distinction by the College of Agriculture, Food and Natural Resources, a designation that reflects the successful past and indicates a commitment to future growth.

This position is eligible for University benefits. The University offers a comprehensive benefits package, including medical, dental and vision plans, retirement, and educational fee discounts. For additional information on University benefits, please visit the Faculty & Staff Benefits website at: <http://www.umsystem.edu/totalrewards/benefits>.

### **Diversity Commitment**

The University of Missouri is fully committed to achieving the goal of a diverse and inclusive academic community of faculty, staff and students. We seek individuals who are committed to this goal and our core campus values of respect, responsibility, discovery and excellence.

### **Equal Employment Opportunity**

Equal Opportunity is and shall be provided for all employees and applicants for employment on the basis of their demonstrated ability and competence without unlawful discrimination on the basis of their race, color, national origin, ancestry, religion, sex, pregnancy, sexual orientation, gender identity, gender expression, age, disability, protected veteran status, or any other status protected by applicable state or federal law. This policy shall not be interpreted in such a manner as to violate the legal rights of religious organizations or the recruiting rights of military organizations associated with the Armed Forces or the Department of Homeland Security of the United States of America. For more information, call the Vice Chancellor of Human Resource Services/Affirmative Action officer at 573-882-4256.

To request ADA accommodations, please call the Disability Inclusion and ADA Compliance Manager at 573-884-7278.

**EEO IS THE LAW**