

Postdoctoral Research Associate Position in Social-Ecological Systems at Iowa State University

Summary of Duties and Responsibilities

The Consortium for Cultivating Human And Naturally regenerating Enterprises, or C-CHANGE, seeks a postdoctoral research associate to work with the transdisciplinary team to develop socioeconomic innovations in the management of Corn Belt agricultural systems.

C-CHANGE is led by Iowa State University. C-CHANGE seeks to catalyze and guide agricultural transformation to meet the goal of delivering abundant, affordable, and safe food to 10 billion people without compromising the Earth's supportive capacity in the long term. C-CHANGE capitalizes on ISU's reputation as a world leader in agriculture and technology and weaves together existing institutional strengths in food, renewable energy, soil, water, and wildlife research with leadership, engagement, data integration, innovation, and science communication.

The postdoctoral research associate will integrate existing social-ecological knowledge and data to identify and fill research gaps; develop scientific theory and decision tools; and publish findings in scientific journals. The research associate will be expected to employ innovative analytical strategies that link social and ecological data at multiple spatial scales and over time. Existing data sources include data bases from spatially extensive and longitudinal panel surveys of Iowa farmers, social data that may be linked to land use, topographic, hydrologic, soil type, and other ecological data to develop novel social-ecological systems modeling approaches. The overarching question guiding the work is: how can investment in long-term care of land, water, wildlife, and other natural assets be spurred while promoting rural and urban economic development?

Required Education and Experience

- Earned PhD in sociology, conservation science, ecology, natural resources, statistics, sustainable agriculture, or similar program.
- Knowledge and/or experience integrating large and complex data sets and modeling.
- Background in utilizing GIS.
- Knowledge in programming (experience with R or similar software programs)

Preferred Education and Experience

- Familiarity with the human dimensions and ecology of row-crop agriculture.
- Familiarity with quantitative sociological data.
- Record of scholarly publications, including author/coauthor of peer-reviewed publications.
- Demonstrated record of working in inter-/transdisciplinary teams.

Department/Program & College Description

About Iowa State University and the Ames Community - Iowa State University is classified as a

Carnegie Foundation Doctoral/Research University-Extensive, a member of the Association of American Universities (AAU), and ranked by U.S. News and World Report as one of the top public universities in the nation. More than 34,000 students are enrolled and are served by over 6,200 faculty and staff.

Iowa State University is a global and culturally diverse university committed to providing an inclusive, equitable, and diverse environment for both learning and employment. We know that diversity in experience and perspective is vital to advancing innovation, critical thinking, solving complex problems, and building an inclusive academic community. At Iowa State, we translate these values into action by seeking individuals who have experience working with diverse students, colleagues, and constituents. The university has an expectation that all employees will demonstrate a contribution to diversity and inclusion as embodied in Iowa State University's Principles of Community.

Ames, Iowa is a progressive community of 60,000, located approximately 30 minutes north of Des Moines, and recently voted one of the best college towns in the nation.

Iowa State University is an equal opportunity employer committed to excellence through diversity and strongly encourages applications from all qualified applicants, including women, underrepresented populations, and veterans. ISU is responsive to the needs of dual career couples, is dedicated to work-life balance through an array of policies, and is an NSF ADVANCE institution.

All employees are expected to exhibit and convey good citizenship within the program, the department, college, university activities, collegial interactions, and maintain the highest standards of integrity and ethical behavior.

Department Contact Names

Dr. J. Gordon Arbuckle
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Sociology
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Dr. Lisa Schulte Moore
Professor
Natural Resource Ecology & Management
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Additional Information

This position is funded by ISU's Presidential Interdisciplinary Research Initiative. A 2 year appointment is expected. Appointment beyond first year dependent on progress toward project goals and continued funding.

Application Instructions

Send a cover letter stating interest in and qualifications for the position, CV, 2-3 example publications, and the names and contact information for three references to Dr. Arbuckle at arbuckle@iastate.edu.

Guaranteed Consideration Date: Apply by Feb. 15, 2019

Pre-Employment Screening

All offers of employment, oral and written, are contingent upon the university's verification of credentials and other information required by federal and state law, ISU policies/procedures, and may include the completion of a background check and/or a consumer credit check.

Classification Information

University Title: Postdoc Research Associate – 0100

Salary: Salary will be competitive and commensurate with experience according to ISU policies (<https://www.grad-college.iastate.edu/postdoc/policies/#stipend>). Benefits include medical, pharmacy, vision, and dental benefits, paid leave, retirement, and other benefits.

Job Category: Post Doctoral

Starting date: May 1, 2019 or as soon as possible thereafter

EO Statement

Iowa State University is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, genetic information, national origin, marital status, disability, or protected veteran status and will not be discriminated against. Inquiries can be directed to the Office of Equal Opportunity, 3410 Beardshear Hall, 515 Morrill Road, 515 294-7612, email eooffice@iastate.edu.