



POSTDOCTORAL RESEARCH ASSOCIATE

U.S. Geological Survey, Missouri Cooperative Fish and Wildlife Research Unit and the University of Missouri

Project description: The selected Postdoctoral Research Associate will develop agent-based models of waterfowl movement and simulate population responses to landscape composition, as well as identify relative influences of allocating conservation acreage amounts, configurations, and compositions on waterfowl within midcontinent region.

Agency/location: Missouri Cooperative Fish and Wildlife Research Unit and the University of Missouri, Columbia,

Responsibilities: Leverage ongoing quantitative investigations of waterfowl habitat selection to develop agent-based models of waterfowl movement and simulate population responses to thematic landscape composition and configuration changes that represent alternative future conservation scenarios. The postdoc also will identify critical conservation wetland landscapes most likely to benefit migrant birds under a range of environmental variability and land use changes. The selected candidate is expected to interact with federal biologists, academics, and the lab group (including undergraduate and graduate students).

Qualifications: Applicants should have completed a Ph.D. in an appropriate field and possess a broad range of ecological interests and skills. Research will require familiarity with geographic information systems, databases, and statistical tools, and strong programming skills in Python, R, or Julia. Applicants should demonstrate broad knowledge of movement ecology, excellent quantitative skills, ability to communicate effectively with diverse stakeholders, and a demonstrated ability to present and publish research.

Stipend: \$50,000/year plus benefits. Position is funded for two years contingent on satisfactory performance and funding allocations.

Closing date: Until filled. Start date is flexible but spring 2019 is preferred. **Contact:** Email letter of interest, CV, and contact information for three references to Lisa Webb, Missouri Cooperative Research Unit, University of Missouri, 573-882-2591, webbli@missouri.edu