



POSITION ANNOUNCEMENT

Biological Scientist (Database Development, Scientific Computing, Data Science)

Responsibilities: We are seeking a Biological Scientist for a full-time, permanent position in the Wildlife and Terrestrial Ecosystems Program of the Rocky Mountain Research Station (RMRS). The scientist will be an integral part of a larger research team comprised of scientists, professionals, technicians, and administrative staff across the RMRS footprint. The mission of this team is to “Provide scientific leadership, reliable ecological understanding, and management tools for the conservation and management of wildlife populations and their habitats.”

The Biological Scientist will serve as a database manager and developer with responsibility for analyzing, managing, cataloging, and/or archiving environmental databases of wildlife data for developing species distribution models, projecting those models forward given the most recent global climate modeling projections, and similar tasks. The incumbent either independently, or as a member of a team, is responsible for furnishing technical computer science, database, and design expertise, leading the development and implementation of integrated databases focused on the user experience.

Essential is knowledge of the latest relational database languages (e.g., MySQL), R, Python, Google Earth Engine, and other frequently used spatial databases and platforms sufficient to assist researchers in extracting and interpreting natural resource data to be able to design wildlife relational databases that contain large volumes of spatial data. Knowledge of mathematical methods and knowledge of theory and practice of statistical methods is needed to conduct statistical analyses of data. Knowledge of wildlife sampling procedures and principles including geospatial statistical analysis. Advanced knowledge of computer programming and procedures, including database operations, statistical analysis tools, and data visualization packages in order to meet new and complex information requirements. Broad knowledge of the full range of computer systems, including large mainframe systems, cloud-computing, and workstations.

Qualifications: M.Sc. or Ph.D. in a biological discipline such as (but not limited to) population genetics, bioinformatics, ecology, conservation biology, statistical ecology, mathematical ecology is preferred. Demonstrated ability to work collaboratively with a team is essential.

Classification: GS-12

Salary: \$80,005 – 104,011

Location: Albuquerque, NM (this position is NOT eligible for virtual work)

Applications: This is **not** the formal application announcement. It is an outreach notice. The formal announcement will appear on USAJOBS as a “Biological Scientist”. Please look for the formal announcement starting November 2022. The position will be open for 5 days (administrative regulation for this position). All interested applicants should send a letter of interest and a CV to **Gavin Jones** at gavin.jones@usda.gov. Please place “Biological Scientist” in the e-mail header.

A career with the U.S. government provides employees with a comprehensive benefits package. As a federal employee, you and your family will have access to a range of benefits that are designed to make your federal career very rewarding. Learn more about federal benefits at: <https://www.usajobs.gov/Help/working-in-government/benefits/>.