



## Post-Doctoral Fellow – Breeding Data Management and Curation Specialist

The Small Fruit Breeding Program at Auburn University is seeking a breeding data manager and curator specialist (Post Doc Fellow) to support the research activities of a USDA Specialty Crops Research Initiative Program to expand the Rosaceae, Citrus, Vaccinium and Pulse crop databases for big data storage, management, and analysis. This specialist based at Auburn University will support (1) collect, curate, and integrate all types of genomics, genetics, and breeding big data into crop-specific databases, and (2) provide breeders with personalized training for field data collection, management and analysis using database resources. Additionally, the specialist will work closely with the blueberry breeder at Auburn University to collect and analyze phenotypic, genotypic, and environmental data to build prediction models for blueberry flowering time, yield, fruit quality, and other key traits. **This is a benefit eligible, non-tenure track position available for two years.**

### Essential Duties and Responsibilities include:

- Collect and curate genomic, genetic, and breeding data and upload to the Genome Database for Vaccinium and Genome Database for Rosaceae
- Help create outreach and training materials for specialty crop breeders and researchers
- Provide webinars and on-site training on how to use the Genome Database for Vaccinium and the Breeding Information Management System (BIMS)
- Participate in preparation of scholarly publications

**The ideal candidate for this position will have a strong background in plant breeding and genetics, research and scientific data management, and familiarity with programing.**

### Essential skills include:

- Strong background in plant breeding and genetics.
- Strong computer skills and proficiency in R or other programming languages.
- Outstanding interpersonal and teamwork skills.
- Excellent oral and written scientific presentation skills.
- Demonstrated ability for time management and use of informed judgment to make independent decisions.

This position reports to Dr. Sushan Ru at Auburn University. Meanwhile, the PDs of the Washington State University Drs. Dorrie Main and Sook Jung and will closely work together with their cohort of other crop curators and outreach specialists. This position requires frequent travel including driving.

The candidate is expected to have a Ph.D. in Plant Breeding, Genetics, or closely related field at the time employment begins. **Applicants need to be U.S. based and currently eligible to work in U.S.**

**Application:** Please submit following documents to <https://www.auemployment.com/postings/49851>. 1) cover letter stating research interests and career goals, 2) current curriculum vita, and 3) copies of all academic transcripts. When prompted, please provide names, phone numbers, and email addresses of three professional references. Only **COMPLETE** application materials will be considered. Active review of applications will begin December 15, 2024 and continue until the position is filled. Salary will be commensurate with education and experience.