

Vacancy Announcement Worksheet for Postdoctoral Position

Vacancy Announcement Worksheet Research Associate Program

1. Position Title:

Research Plant Geneticist

2. Location of Position: *(City, State)*

USDA-ARS, Corvallis, Oregon

3. Description of Duties: *(Provide three or four sentences outlining the major duties and responsibilities of the position)*

The postdoctoral research associate is expected to take a key position in the Genetics Laboratory of the NCGR to develop and apply modern DNA-based markers for germplasm characterization. The research associate will conduct genetic research in DNA test development and evaluation in pear, blackberry, raspberry, and strawberry.

4. Qualification Requirements: *(Identify what type of Ph.D or related scientific discipline is required. Specify other knowledge/skills/abilities that are required or desirable)*

Ph.D. in Plant Breeding, Horticultural Genetics, or a closely related field. Knowledge and extensive experience in statistical genetics and genome wide association analyses, and skills in genomic library preparation, bioinformatics, statistical data analyses, molecular marker analysis in diploid and polyploid crops, technical writing, and plant breeding are required. Preference will be given to candidates with evidence of successful management of large datasets, substantial research productivity, a strong publication record, experience with perennial, and clonally propagated crop genetics. Active research communication is expected in the form of scientific publications, and networking across breeding programs and allied science programs both U.S-wide and internationally.

Specialized Experience is experience directly related to the position to be filled. The specialized experience requirements for this position are:

(1) Ability to conduct genetic research in DNA test development and molecular marker characterization, and genomic library preparation

(2) Ability to assist to convert new DNA information and other project advances into breeding impact, using cutting-edge technologies, software, and knowledge.

(3) Ability to use personal computers, software packages (e.g., Excel, R, other statistical software) and bioinformatic tools for SNP data evaluation (sequence-based and from arrays), data collection, recording, summarization, and analyses.

(4) Ability to communicate effectively with researchers and breeders through informal and formal presentations and peer-reviewed publications.

(5) Ability to coordinate efforts of several research programs in a positive and proactive manner

is essential.

5. Funding Source: *(Identify funding source – i.e. HQ-funded or Locally-funded)*

Locally-funded

6. Appointment Period: *(Indicate the appointment period, e.g. 13 months, 1 year, 2 years. Remember, HQ-funded must be for a minimum of 2 years)*

13 months

7. Special Consideration: *(Indicate “YES” or “NO” as to whether or not the duties of the position will require unrestricted access to BSL-3 containment facilities, work with CFR-listed agents or toxins, or unrestricted access to the exclusion areas of high security facilities, such as the vaults of major gene banks.)*

NO

8. Contact Information: *(Provide supervisor/mentor contact information)*

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