

Clemson University: College of Agriculture, Forestry and Life Sciences: Plant & Environmental Sciences
Assistant Professor of Plant Breeding and Genetics (Tenure Track)

Location: **Florence, SC**

Breeding and Genetics for Improved Nutritional Quality, Flavor, and Stress Tolerance of Vegetables

Location: Pee Dee Research and Education Center (PDREC), Florence, SC

(<https://www.clemson.edu/cafls/research/peedee/>)

Appointment: 100% Research, 9-month

Advances in biochemistry, metabolomics, metabolic engineering, and genomic sequencing for high-value vegetable crop species are opening new and valuable research opportunities for plant breeding. This vegetable breeding and genetics position will have responsibility for conducting innovative research exploring genetic/epigenetic/quantitative variation in plants and the association with phenotypic variation in traits relating to human health and nutrition and tolerance to biotic or abiotic stress. The successful candidate should have experience in accelerating crop improvement through genomics-enabled plant breeding. Possible outputs would include vegetable crops with new nutritional and health-promoting functions or improved nutrient bioavailability, better understanding of the chemistry of flavors and texture, or enhanced tolerance to biotic and abiotic stress.

Because this position is associated with Clemson's Advanced Plant Technology Program, candidates should be interested in forming collaborations with other faculty with complementary expertise in plant, nutritional, and food sciences, animal nutrition, and biotechnology among others. Appointee will be expected to develop a nationally and internationally recognized extramurally funded research program in vegetable crops; release novel lines, germplasm or genetic stocks; train and mentor graduate students; and contribute to specialized courses, seminars, and team-taught courses, as well as to graduate training in plant breeding/plant genetics/genomics/plant molecular biology. We are seeking highly motivated individuals with strong research credentials. Strength in quantitative or metabolic genetics and bioinformatics is highly desirable.

For more information visit our websites:

Advanced Plant Technology, https://www.clemson.edu/centers_institutes/itg/departments/apt/

Pee Dee Research and Education Center, <https://www.clemson.edu/cafls/research/peedee/>

Department of Plant and Environmental Sciences,

<https://www.clemson.edu/cafls/departments/plant-environmental-sciences/>

This new position is located at the Clemson University's Pee Dee REC, which is an integral part of Clemson University's Public Service Activities including the Agricultural Research and Forestry System and the Cooperative Extension Service. The 2300-acre center has state-of-the-art laboratory facilities and approximately 800 acres of land available for field crop research and demonstrations. Scientists at the PDREC include plant breeders, geneticists, entomologists, agronomists, and plant pathologist working in field crops, commercial horticulture, and turfgrass.

Salary: Competitive and commensurate with background and experience. An attractive fringe benefits package is available.

QUALIFICATIONS

- Ph.D. in plant breeding, plant genetics/genomics, or plant molecular biology
- Experience in research related to this position, either post-doctoral or pre-doctoral
- Evidence of ability to work with other researchers in interdisciplinary inquiry, secure extramural

funds, and lead an innovative research/breeding program

- Postdoctoral or other relevant experience desirable, but not required
- Excellent oral and written communication skills

APPLICATION INSTRUCTIONS

Candidates should submit a letter of application; detailed resume; a personal statements of: (a) research experience, (b) leadership efforts, and (c) contribution to diversity; copies of university transcripts; copies of one or two publications; and names and contact information for three references to <http://apply.interfolio.com/89785>.

For full consideration, please apply by July 31, 2021. Applications will be reviewed as received, and the position will remain posted until a suitable applicant is identified. Inquiries regarding the position should be sent to Victoria Artigliere at vartigl@clemson.edu.

Clemson University is an AA/EEO employer and does not discriminate against any person or group on the basis of age, color, disability, gender, pregnancy, national origin, race, religion, sexual orientation, veteran status or genetic information. Clemson University is building a culturally diverse faculty and staff committed to working in a multicultural environment and encourages applications from minorities and women.

Apply Here: <https://www.click2apply.net/PdVADefkXWPqCMPZInbXJ>

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