

**Position:**

Breeding & Genetics PhD Graduate Research Assistant

Start Date:

January 2021 (Spring semester)

Location:

Plant & Environmental Sciences Department
Coastal Research and Education Center
Charleston, SC 29414

The student will reside in Clemson, SC for the first year of the graduate program to fulfill course requirements. Dissertation research will take place at the Coastal Research and Education Center (CREC): <https://www.clemson.edu/cafls/research/coastal/>
Optional graduate student housing may be offered on-site at the CREC station dependent upon availability and approval.

Job Responsibilities:

The student(s) will be able to select their dissertation project from ongoing research within the vegetable breeding program at CREC. All projects will use genomics-assisted molecular breeding approaches to develop vegetable varieties with improved disease resistance and/or heat tolerance. The student will design and conduct field research trials, assist in seasonal breeding activities, complete laboratory work and analyze large phenotypic and genomic datasets. Publishing research results and presenting at national meetings are both required.

Qualifications:

An M.S. degree in breeding, genetics, genomics, bioinformatics, or related field.
Prospective students should have a strong interest in conducting applied research in breeding and genomics to support cultivar development.

How to apply:

Send a single pdf of CV, GRE & TOEFL scores, a summary of relevant experience and career goals, and contact details of three references to Dr. Sandra Branham at sebranh@clemson.edu. Screening of applicants will start immediately and will continue until the position(s) is filled. The GRA includes tuition waiver, health insurance and an annual stipend. Candidates will be required to formally apply to and be accepted by the Clemson University Graduate School (<http://www.grad.clemson.edu/Admission.php>).