

## OPS Scientist Position in Plant Breeding

Plant Breeding Program at University of Florida is seeking a highly motivated scientist to conduct studies in Hops breeding. This position requires a person with strong background and interest in plant breeding/genetics, and a desire to work on both applied and molecular approaches. Majority of research activities will be completed at Mid-Florida Education and Research Center, which is about 15 miles from Orlando downtown, Florida.

### Responsibilities:

- Manage hops yard, induce polyploidy through chromosome doubling,
- Create photoperiod-independent germplasm through genome editing (CRISPR/Cas9)
- Perform phenotypic evaluation and collect environmental data to estimate genetic parameters related to plant responses to different photoperiod and temperatures.
- Assist to optimize protein sequence of xCas9 or Cpf1 etc for single base editing
- Assist to develop protocols for tissue-culture-free genome editing
- Assist to develop protocols for protoplast culture
- Analyze data for multiple projects, draft a manuscript for high profile peer-reviewed journals.
- Communicate with other research peers and stakeholders through scientific presentations in conferences.

### Minimum Requirements:

- Ph.D. degree in Horticulture, Genetics, Plant Breeding, Plant Biology, Plant Pathology and/or related disciplines
- Excellent organizational and communication skills in written and oral English
- Be able to think critically and work independently
- Demonstrated strong record of research productivity as evidenced by good quality publications
- Effective writing and presentation skills

### Preferred Qualifications:

- Experiences in tissue culture, plant physiology and molecular biology
- Experience in genomics and using “R” program
- Research experience in cannabis family

This position is anticipated to start in September, 2018 and the search will continue until the position is filled. Salary is competitive and commensurate with background and experience. The position term is two years, renewable contingent on funding and performance.

### How to Apply:

Candidates are encouraged to send a curriculum vitae, and contact information for three references to [hhuo@ufl.edu](mailto:hhuo@ufl.edu)