

Cassava FACE Experiment Manager
University of Illinois at Urbana-Champaign
Carl R. Woese Institute for Genomic Biology

Primary Position Function/Summary: This position will be responsible for Implementing and managing the cassava (*Manihot esculenta*) FACE experiment to be conducted at the University of Illinois SoyFACE Global Change Research Facility during 2017 and 2018.

Major Duties and Responsibilities:

1. Design and implementation of field trials employing environmental treatments:

1.1. The Cassava FACE Experiment Manager will have the responsibility to design and lead field trails on 8 genotypes of cassava. The trail design must be based on expert accepted concepts of replication, control of variation among plots and randomization, estimation of error variance and unbiased estimates of means and variance requiring advanced training in field research and advanced knowledge of statistics and analysis of variance.

1.2. Cassava import, propagation, planting and movement is regulated and the incumbent is required to have an advanced knowledge of relevant APHIS procedures including inspection and reporting. It will be the incumbent's responsibility to determine what level of APHIS permission and certification is needed, obtain the permissions and certifications and to establish the required containment.

1.3. Weed and pest control is extremely important in these field trails and the incumbent must have advanced understanding of the mode of action of these chemical agents and become licensed and certified to apply restricted use pesticides and herbicides.

2. Field environmental monitoring:

2.1. The Cassava FACE Experiment Manager will have the responsibility to design a robust system for environmental monitoring and data collection at multiple locations within the field FACE testing plots. This requires that the incumbent have experience with modern sensor technology and data logger programming.

2.2 The incumbent will have the responsibility to monitor the elevated [CO₂] ensuring that it is within established limits of the target concentration troubling shooting and correcting problems as they arise.

3. Supervision:

3.1. The Cassava FACE Experiment Manager will be required to supervise undergraduates conducting research and farm duties.

3.2. The incumbent will be responsible for selecting the best qualified candidate, provide orientation and training as required, determine the duties to be performed by the undergraduates, assign duties, and evaluate performance.

3.3. In addition, the Cassava FACE Experiment Manager will approve time records and requests for time off.

Position requires a B.S. in Plant Science or related field (alternate degree fields will be considered/accepted based upon depth and nature of experience as it relates to this position) and a strong statistical background. Additional requirements include: Demonstrated experience with field research design and data analysis; obtaining Restricted-Use Pesticide training and

certification; advanced knowledge of relevant APHIS procedures, including inspection and reporting; advanced understanding of the mode of action of applicable chemical agents; effective communication, personal relations, organizational and leadership skills; demonstrated ability to perform effectively under minimal supervision with a professional demeanor in a fast-paced work environment with multiple and changing priorities; and strong problem-solving and decision-making skills.

Preference will be given to applicants with prior experience in conducting field experiments. Candidates with engineering aptitude including experience with electrical circuitry will be given preference.

This is a 12-month, 100% time academic professional appointment with regular university benefits. The proposed starting date is negotiable after the close date. Salary will be commensurate with training and experience. Please create your candidate profile at <http://jobs.illinois.edu> and upload your letter of interest (including email address), resume and contact information for three professional letters of reference by September 26, 2016. Position available as soon as possible after the close date. Applicants may be interviewed before the closing date; however, no hiring decision will be made until after that date. All requested information must be submitted for your application to be considered. For further information regarding the application procedures, you may contact Kim Johnson, kljohns@illinois.edu.

The University of Illinois conducts criminal background checks on all job candidates upon acceptance of a contingent offer.

Illinois is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, religion, color, national origin, sex, sexual orientation, gender identity, age, status as a protected veteran, status as a qualified individual with a disability, or criminal conviction history. Illinois welcomes individuals with diverse backgrounds, experiences, and ideas who embrace and value diversity and inclusivity. (www.inclusiveillinois.illinois.edu).