

Plant Transformation Assistant

Carl R. Woese Institute for Genomic Biology

University of Illinois at Urbana-Champaign

Primary Position Function/Summary:

This position will be responsible for assisting the Plant Transformation Manager with performing plant transformations in tobacco and a variety of other crops for the IGB Plant Transformation Facility and the RIPE project.

Major Duties and Responsibilities (detailed job duties):

- Conduct plant transformation for tobacco for both the IGB Plant Transformation Facility and the RIPE project.
- Learn plant transformation of other crops as requested by the Plant Transformation Manager.
- Assist with Cassava plant maintenance.
- Make own media for transformation and independent maintenance of the IGB Plant Transformation Facility media stocks.
- Collect T₀ leaf samples of different transgenic plants generated and send out for copy number analysis.
- Conduct local PCR confirmation as requested by the client in basta resistant plants for constructs the client has provided.
- Help greenhouse stock to maintain seed stock.
- Transplant different T₀ plants for the IGB Plant Transformation Facility and the RIPE project from rooting jars to soil with help of greenhouse crew and then transplant basta resistant plants to bigger pots with help of greenhouse crew.
- Label, tissue culture plates and transplant pots.
- Perform basta paint assay.
- Conduct E.coli transformations of client provided plasmid to increase the yield of plasmid DNA.
- Prepare Agrobacterium competent cells.
- Conduct Agrobacterium transformation for constructs and maintenance of those Agrobacterium glycerol stocks @ -80 C.
- Assist with the washing of the media dishes and perform other lab maintenance tasks as requested.
- Assist greenhouse staff with bagging plants and moving the plants from IGB to the greenhouse or within the greenhouse.

Education:

- Required: Bachelor's Degree, Life Science or related field

Experience:

- Required: Analyzing transgenic plants.
- Preferred: Working with crop plant, collaborating with large commercial agricultural companies such as Dow Agro Sciences, Monsanto and Syngenta.

Knowledge Requirements:

- Required: Handling analysis tools such as PCR and basta paint assay.

Salary will be commensurate with experience and qualifications. This position is a 12-month, 100% time academic professional appointment with regular University benefits. The proposed starting date is negotiable after the close date.

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 October 10, 2018. 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 Jacinda King, jkking@illinois.edu.

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

The University of Illinois is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply. For more information, visit <http://go.illinois.edu/EEO>. To learn more about the University's commitment to diversity, please visit <http://www.inclusiveillinois.illinois.edu>