

Research assistant/associate position

The research assistant/associate is expected to conduct laboratory, field, and greenhouse experiments. Some of the major responsibilities are listed below:

1. Visual evaluation of plant samples, microscopy, pathogen isolation
2. Design PCR primers, perform PCR and evaluate nucleic acid sequences
3. Virus identification using immunostrips, ELISA testing, sequencing, and cloning genes
4. Conduct Koch's postulate
5. Grow and maintain plant pathogen cultures, and keep a record of it
6. Record morphological characteristics of plant pathogens
7. Employ a variety of plant diagnostic methods to accurately identify pathogens at a species level
8. Develop new diagnostic techniques
9. Grow plants to conduct experiments in controlled conditions
10. Help team in field, greenhouse and laboratory experiments
11. Summarize and write manuscripts/reports to publish research results
12. Communicate new developments and/or concerns to the supervisor
13. Participate in other projects
14. Provide feedback for advancing science
15. Manage laboratory/greenhouse/field experiments

Skill/background/education:

Candidates should have background in plant pathology/microbiology, and experience working in field and molecular biology laboratory.

Other details:

This position works 29 h/week. This position may be converted to a full-time position in near-future depending on the funding availability.

Interested candidates should contact patelJ@lincolnu.edu

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