

**Postdoctoral Associate**  
**Department of Plant Pathology & Plant-Microbe Biology within the**  
**College of Agricultural and Life Sciences**

Professor Keith Perry from The Department of Plant Pathology & Plant-Microbe Biology, seeks a Postdoctoral Associate to join his lab.

The position's overall purpose is to support grant funded research on the development of plant disease diagnostic technologies, to perform diagnostic assays in support of a potato seed program, and to support related research on plant virus transmission.

Responsibilities of the postdoctoral candidate will be to develop array and nanobiotechnological technologies for the diagnostic detection of plant viruses and other pathogens. This will involve general molecular biological and biochemical methods, the purification of nucleic acids, enzymatic reactions to modify and label nucleic acids, hybridization reactions, the use of instrumentation to measure light and fluorescent signals, and the processing and collation of data. One crop focus will be pathogen detection in potato. A second area of responsibility will be to support related research on plant virus transmission by insect vectors. This may involve the greenhouse propagation and purification of plant viruses, characterizing their transmission properties by aphids, beetles or other vectors, the generation of viral cDNA constructs with reporter genes to follow the course of infection, and the monitoring of the infection process using confocal microscopy. An integral part of this position will be the management of data, weekly reporting, and the writing of manuscripts on the above mentioned work.

**Please send cover letter and CV with names of three references to Dr. Jeremy Thompson Department of Plant Pathology and Plant-Microbe Biology, 334 Plant Science Building, Cornell University, Ithaca, NY 14853 or preferably e-mail to: [jrt36@cornell.edu](mailto:jrt36@cornell.edu). Include this job posting number in the subject line. (Applications with job posting numbers from commercial websites will not be reviewed). Applications will be received for consideration until a suitable candidate is identified.**