

David L Nieland

Subject: Postdoc in Plant-insect-nematode interactions at Michigan State university

Postdoctoral position at Michigan State University: insect-nematode-plant interactions, molecular biology, chemical ecology

A post-doctoral position is available working in Jared Gregory Ali's lab at Michigan State University, position starting after March 2015. The primary research goal of the lab is to identify the dynamics of plant-insect-nematode interactions and elucidate the key mechanisms responsible for these multitrophic relationships. We use a combination of molecular biology and chemistry, together with field and laboratory bioassays/trials to elucidate various induced plant responses and insect-nematode behavior. The focus of this position is the development of molecular probes for the quantification and identification of belowground organisms and analysis of plant defenses and their function.

Minimum qualifications:

Applicants for the post-doctoral position should be within 3 years of receiving their PhD.

Applicants must be able to do independent research, have good written and verbal communication skills, and must be highly self-motivated.

Preferred qualifications:

Candidates that have a strong background and publication record in molecular biology/biochemistry, bioinformatics (or analyzing large data sets – RNAseq, proteomics, etc.), protein-protein interactions and/or closely related fields are preferred. Applicants with a proven record of publication and experience working in the area of plant-microbe or plant-insect interactions will be preferred. Candidates with a proven record of excellence in related areas will be seriously considered.

Duration: one year, but renewable upon satisfactory job performance, continuing availability of funds, and ongoing operational needs.

How to Apply / Contact:

Qualified candidates should submit the following to alijared@msu.edu : a cover letter, curriculum vitae, research statement, and contact information for three referees. For more information send questions to the above email address.