



UNIVERSITY OF MARYLAND

COLLEGE OF AGRICULTURE AND NATURAL RESOURCES
Department of Plant Science and Landscape Architecture

2102 Plant Sciences Building
College Park, Maryland 20742
301.405.4356 TEL 301.314.9308 FAX

A postdoctoral scientist position in Molecular Plant Pathology at the University of Maryland, College Park

A Postdoctoral Scientist position is available in the Rawat lab in the Department of Plant Science and Landscape Architecture at the University of Maryland, College Park.

The position is focused on developing molecular understanding of plant resistance to the fungal pathogens of wheat, including FHB, rust, and powdery mildew. The candidate must have background in molecular plant pathology and should be adept in plant molecular biology techniques such as molecular cloning, confocal microscopy, transient and stable transformation, CRISPR-based gene editing, protein isolation, western labelling, and disease assays on wheat, Arabidopsis and Nicotiana. The successful candidates will functionally characterize resistance proteins in wheat and model plant-pathogen systems. The successful applicants will be strong team player, highly solution-oriented and will have a key role in ensuring smooth running of lab activities and student training.

Evaluation of applications will begin as they are received. Salary is commensurate with experience and qualifications. Initial support is for two years with additional time contingent upon performance. Applications must include a single PDF file with: 1- Curriculum Vitae, 2- A short cover letter describing research interests and career goals (2 pages max), 3- Two sample publications, and 4- Names and contact details of three references. Application materials should be emailed to Dr. Nidhi Rawat (nidhirwt@umd.edu) by December 30, 2022.

Requirements

A strong publication record and a PhD in plant molecular biology/ pathology or a related discipline, preferably within the past three years, is required. The expectations of the position include good problem-solving skills, leadership, independent thinking. Active engagement in mentoring students and disseminating science are anticipated from the incumbent.

About University of Maryland

The University of Maryland, College Park, an equal opportunity/affirmative action employer, complies with all applicable federal and state laws and regulations regarding nondiscrimination and affirmative action; all qualified applicants will receive consideration for employment. The University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, religion, sex, national origin, physical or mental disability, protected veteran status, age, gender identity or expression, sexual orientation, creed, marital status, political affiliation, personal appearance, or on the basis of rights protected by the law.