



University of California Davis

Post-doctoral fellow position in Plant Pathology, with a focus on Fungicide Resistance Research

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BACKGROUND

The Stergiopoulos lab at the Department of Plant Pathology at the University of California Davis is seeking for a highly skilled and motivated post-doctoral fellow in the field of Plant Pathology, to study fungicide resistance in the grape powdery mildew (GPM) fungus *Erysiphe necator*. This is a two years position funded by an USDA - Specialty Crop Research Initiative (SCRI) award. The lab's research portfolio includes studying the molecular mechanisms underlying fungal pathogenesis on plants, fungicide resistance, and RNA silencing in fungi. For our studies, we use system-level approaches that integrate genomics with classical genetics and biochemical analyses to identify and functionally characterize target genes and cellular processes in fungi.

JOB DESCRIPTION

The post-doctoral candidate will be drawn from the field of Plant Pathology, Molecular Plant Pathology, Mycology, Molecular Biology, or related disciplines and will focus on elucidating the molecular mechanisms that underlie resistance to major fungicides used in GPM control. Specific lines of research include, but are not limited to, monitoring fungicide resistance in GPM, developing diagnostic tools for resistance, identifying genes and processes that confer fungicide resistance, and functionally analyzing candidate target genes and resistance mechanisms. To achieve some of the project's goals, the candidate will work closely with a computational biologist in the lab to analyze RNAseq and Genomic data. The position is initially for one year, renewable for a second year upon satisfactory performance. Salary is based on experience and qualifications according to UC Davis pay-scales. UC Davis provides a highly vibrant intellectual atmosphere, a pleasant college environment, and career development activities specifically designed for post-doctoral scholars.

EXPERIENCE

Highly motivated candidates with an interest in fungicide research are encouraged to apply. Ideal candidates should have received recently a Ph.D. in Plant Pathology, Molecular Plant Pathology, Mycology, Molecular Biology, or related disciplines. Experience in analyzing RNAseq or genomic data is a plus but not a pre-requisite. A strong record of scientific accomplishment by peer-reviewed publications, demonstrated ability to conduct experiments independently, analyze results statistically, and to meet project deadlines are a requirement. Solid verbal and written communication skills are also a must.

APPLICATION

Interested candidates should send by April 1st 2020 a single pdf file to Prof. Ioannis Stergiopoulos (istergiopoulos@ucdavis.edu) that includes (i) a brief cover letter explaining their interest for this position, (ii) their full CV, (iii) a brief statement of research interests and future career goals (one page max; can be combined with the cover letter), and (iv) contact information of three references. The position is immediately available and will remain open until filled.