



University of California Davis

Post-doctoral fellow position in Fungal Biology / Molecular Plant Pathology

Department of Plant Pathology,
University of California Davis

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<http://plantpathology.ucdavis.edu/faculty/>

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 fields of Fungal Biology and (Molecular) Plant Pathology, with an interest in the identification and validation of molecular targets for novel bio-based antifungals. This is an industry funded position that will enable the post-doctoral fellow to interact closely with leading experts in the field of biological products for disease control. The Stergiopoulos lab research portfolio includes studying host-microbe interactions, fungicide resistance, and RNA silencing in fungi. We use system-level approaches that integrate genomics with classical genetics and biochemical analyses in order to identify and subsequently functionally characterize target genes in fungal plant pathogens.

JOB DESCRIPTION

The post-doctoral fellow will be drawn from the field of Fungal Biology, Microbiology, Molecular Plant Pathology, Plant Pathology or related disciplines and will lead the efforts in identifying and validating putative antifungal targets in select fungal plant pathogens. The initial focus will be on *Cercospora* spp. but other fungal plant pathogens may be targeted as well. Specific lines of research include, but are not limited to, identifying antifungal targets through combining existing knowledge in fungal biology with -omics data produced by the industry partner, and further functionally characterizing these targets with respect to their intrinsic function, contribution to virulence and fungal fitness. The position is for two-years at an 100% appointment. Salary and benefits are based on experience and qualifications according to the UC Davis pay-scales (<https://grad.ucdavis.edu/postdoctoral/appointment-promotion>). UC Davis provides a highly vibrant intellectual atmosphere, a pleasant college environment, and career development activities specifically designed for post-doctoral scholars (<https://grad.ucdavis.edu/postdoctoral>).

EXPERIENCE

Highly motivated candidates with a background in Fungal Biology and Molecular Plant Pathology are encouraged to apply. Ideal candidates must hold a Ph.D. in Fungal Biology, (Molecular) Plant Pathology, Microbiology, or related disciplines. Proven experience in working with fungi and functionally analyzing genes in these organisms is an absolute must for this position. A strong record of scientific accomplishment by peer-reviewed publications, demonstrated ability to conduct experiments independently, troubleshoot experiments, analyze results statistically, and to meet project deadlines, are a requirement. Solid verbal and written communication skills are also a must.

APPLICATION

Candidates should send by February 12th 2024 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, and (iii) contact information of three references. The position is available from April 1st 2024.