

# California State University, Fresno Foundation

## POSTDOCTORAL RESEARCH ASSOCIATE IN INSECTICIDE TOXICOLOGY AND GENETICS – JORDAN COLLEGE OF AGRICULTURAL SCIENCES AND TECHNOLOGY JOB ANNOUNCEMENT #21-211

<b>POSITION SUMMARY:</b>	<p><b>Full time, benefited position with the Department of Plant Science/Jordan College of Agricultural Sciences and Technology through the California State University, Fresno Foundation.</b> The Postdoctoral Research Associate in Insecticide Toxicology and Genetics will engage in research to establish an insecticide-resistant line of parasitoid wasps and assess their relative fitness and competency for pest control. Research will be performed under the joint direction of Dr. Jacob Wenger in the Department of Plant Science, California State University, Fresno and research scientists at the USDA-ARS, San Joaquin Valley Agricultural Sciences Center, Parlier. The position will be housed within the California State University, Fresno Foundation, but will coordinate efforts with scientists in the California State University System, USDA, and University of California Cooperative Extension System.</p> <p>Questions may be directed to Dr. Wenger at <a href="mailto:jawenger@mail.fresnostate.edu">jawenger@mail.fresnostate.edu</a>.</p>
<b>ESSENTIAL JOB FUNCTIONS:</b>	<p>The responsibilities of this position include, but are not limited to:</p> <ul style="list-style-type: none"> <li>• Field collections of parasitoid wasp</li> <li>• Maintenance of laboratory colonies of parasitoid wasp</li> <li>• Performance of insecticide efficacy bioassays</li> <li>• Assessment of insect fitness parameters including longevity, diapause and host finding</li> <li>• Crossing assays and genetic analysis to determine modes of inheritance</li> <li>• Bulk segregant analysis to determine resistance mechanisms</li> <li>• Bioassays to determine the cross-resistance within the colony</li> <li>• Basic molecular biology assays to understand wasp genetics</li> <li>• Other duties as assigned</li> </ul>
<b>QUALIFICATIONS &amp; EXPERIENCE:</b>	<p><i>To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.</i></p> <ul style="list-style-type: none"> <li>• PhD in the entomology, toxicology, genetics or a related biological discipline, with emphasis on application (ABD Considered)</li> <li>• Experience with the observation and quantification of insect behavior and fitness</li> <li>• Experience with rearing and handling of small-size insect systems</li> <li>• Experience in quantitative toxicology research of insect systems</li> </ul> <p><b>Other Skills and Abilities:</b></p> <ul style="list-style-type: none"> <li>• Ability to work independently and collaboratively without direct supervision</li> <li>• Exceptional verbal and written communication skills</li> <li>• Proficiency in scientific writing and presentation</li> <li>• Language fluency in English</li> <li>• Familiarity with literature relating to assessment of biocontrol fitness and field competence</li> </ul>
<b>SALARY/BENEFITS:</b>	<b>\$4,333.33 per month.</b> Benefits include medical, dental, vision and life insurance, vacation, sick leave and holiday pay.
<b>DEADLINE:</b>	<b>Application review begins on June 8, 2021; Open until filled.</b>
<b>TO APPLY:</b>	<p>Please visit the Auxiliary Human Resources page at: <a href="http://www.auxiliary.com/auxhr/jobs.html">http://www.auxiliary.com/auxhr/jobs.html</a> to locate and print job application or obtain employment application at:</p> <p style="text-align: center;">California State University, Fresno Auxiliary Human Resources 2771 E. Shaw Avenue Fresno, CA 93710                      Fax: (559) 278-0988</p>

Application & resume may be e-mailed to: <a href="mailto:HRAUX@LISTSERV.csufresno.edu">HRAUX@LISTSERV.csufresno.edu</a>
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**RESUMES WILL NOT BE ACCEPTED WITHOUT A COMPLETED APPLICATION**

*California State University, Fresno is a smoke free campus. For more information, please click <http://fresnostate.edu/adminserv/smokefree/index.html>  
Employment for this position is by the California State University, Fresno Foundation. This is not a State of California position.*

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