UNIVERSITY OF CALIFORNIA, DAVIS

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SANTA BARBARA • SANTA CRUZ

DEPARTMENT OF ENTOMOLOGY AND NEMATOLOGY
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Two positions available for either Post doc or Research Scientist Level in Plant Nematode-Interaction Research at University of California, Davis

Are you passionate about plant-nematode interactions research? Do you want to make a worldwide impact on agriculture and food security? Then you might be a great candidate for the Siddique Lab at UC Davis who is looking for two motivated scientists to join our team!

About Us: The Siddique Lab is dedicated to exploring the fascinating interactions between plants and parasitic nematodes. Our mission is to explore these complex relationships and develop biotechnological solutions to protect crops and enhance global food security. Our projects focus on a broad range of crops of significant economic importance to California, such as tomatoes, cucumber, almond, and walnuts.

What We Offer:

- **Collaborative Environment:** Be part of our diverse and supportive team that values collaboration and innovation.
- **Professional Growth:** Receive training and mentorship, with opportunities for career development and networking.
- **Conference Opportunities:** Attend national and international conferences to present your research and network with professionals.
- **Research Flexibility:** Explore new avenues of research within the broad field of nematode research, allowing you to tailor projects based on your interests and expertise.
- **Impactful Work:** Contribute to research that addresses critical challenges in agriculture.
- **Immigration Support**: The Services for International Students and Scholars (SISS) at UC Davis will assist international candidates with the visa application process.

Position Description: Plant-parasitic nematodes are destructive pests causing significant economic losses annually. The successful candidates will manage projects aimed at understanding these interactions and developing strategies for durable resistance in crops. The work will include a mix of wet lab, molecular biology, field and greenhouse experiments. Specific duties may include:

- Designing and conducting experiments to study nematode biology and host responses.
- Utilizing molecular techniques such as gene cloning, qPCR, RNAseq, and CRISPR.
- Performing biochemical assays to analyze plant-nematode interactions.
- Conducting greenhouse trials to test plant resistance and the effectiveness of biotechnological interventions.
- Analyzing data and preparing manuscripts for publication.

Scope of Projects:

The proposed projects will primarily focus on crops of significant economic importance to California, such as tomatoes and walnuts, aiming to develop biotechnological solutions for nematode control. However, the scope of these projects is flexible and will be tailored to align with the candidates' interests and expertise. This flexibility allows candidates to pursue research areas they are passionate about within the broader field of plant-nematode interactions. We welcome exploration across a wide range of nematode research topics and will collaboratively select specific projects based on the candidate's strengths and interests. For more information on our current projects, please visit our website at www.nemaplant.org.

Essential Qualifications:

- PhD in a related field such as nematology, plant biology, or plant pathology.
- Ability to work independently and collaboratively.
- Strong written and verbal communication skills.
- Proven ability to work effectively as part of a team.

Desirable Qualifications:

- Prior knowledge or experience in nematology.
- Experience working with crop plants.

Mentoring and Professional Development: The Siddique Lab is committed to your professional growth. You will receive:

- Regular meetings to discuss research progress and development.
- Guidance in planning research projects and setting goals.
- Assistance with exploring career opportunities.
- Opportunities to seek guidance from multiple mentors to broaden your support network.

Details:

- **Start Date:** Flexible based on the candidate’s availability.
- **Application Deadline:** Review of applications will continue until the positions are filled.
- **Salary:** Competitive, based on experience, ranging from $66,000 to $90,000 per year.

- **Research Scientist Opportunity:** Candidates with more than 5 years of post-PhD experience may be hired as a research scientist.

How to Apply: To apply, please email Dr. Shahid Siddique at ssiddique@ucdavis.edu with the subject line "Nematology Jobs". Your single PDF application should contain:

- A one-page tailored cover letter.
- A current CV, highlighting contact information for three references.

For more details, candidates can visit www.nemaplant.org.

Duration: The positions begin with a 24-month commitment, which may be extended based on performance and project needs.

We encourage you to apply and join us at UC Davis to become and be a part of a research team dedicated to making a difference in the world of plant science and agriculture!