

JUNIOR SPECIALIST RESEARCHER POSITION (Ho-Lab)

UNIVERSITY OF CALIFORNIA, DAVIS

Department of Cell Biology & Human Anatomy

Recruitment Period

Open date: October 16, 2017

Next review date: October 30, 2017

Apply by this date to ensure full consideration by the committee.

Final date: June 30, 2018

Applications will continue to be accepted until this date, but those received after the review date will only be considered if the position has not yet been filled.

Description:

This position will be involved in interdisciplinary studies focusing on questions in vertebrate development, tissue formation, and human structural birth defects. Successful candidates are expected to participate in three major categories of activities listed below:

Research (70% of Effort)

The Junior Specialist is expected to work closely with the Principal Investigator (PI), Dr. Henry Ho, in planning and execution of experiments involving mammalian cultured cells, mouse model system, molecular biology, protein biochemistry (expression and purification of recombinant proteins involved in development and cytoskeletal regulation) and histology. Importantly, the Junior Specialist is expected to assume the responsibility of carrying out research projects independently, with the expectation that results from these projects will lead to publications. Therefore, the Junior Specialist needs to have the necessary skills to generate high-quality and publishable data. S/he is also expected to study relevant journal articles, think critically and creatively, and to use the knowledge for designing experiments to test and refine hypotheses.

The Junior Specialist is expected to participate in weekly lab meetings, departmental seminars including iBIO: Integrated Biomedical Sciences Seminar Series and Research in Progress Seminars, and other relevant research seminars on campus such as Joint Seminars in Molecular Biology and Storer Lectureship in Life Sciences. In those meetings, s/he will 1) present her/his own research results or recent research journal articles relevant to the projects and/or 2) engage in discussions on research and the interpretation of research results.

The Junior Specialist is expected to co-write the manuscripts with the PI using the data from the research projects s/he is involved in. S/he will contribute to analyzing the data and generating the figures and tables for the manuscripts. The manuscripts will be published in peer-reviewed journals such as Journal of Cell Biology, Developmental Dynamics, eLife, Proceedings of the National Academy of Sciences, Journal of Cell Science, or related journals reporting research in cell biology and developmental biology.

In addition to those research activities, the Junior Specialist is also expected to perform various technical and routine lab activities (e.g., research supply inventory, lab organization and management, etc.) and to help manage the mouse facility.

Professional Competence (15% of Effort)

In a later stage of the employment, the Junior Specialist is expected to attend and present data (in the form of poster or oral presentations) in regional or international conferences or retreats such meetings with the topics on cell and developmental biology, annual meetings of American Society for Cell Biology and/or the bi-annual Santa Cruz Developmental Biology Conference.

The Junior Specialist will also assist the PI review research proposals, journal manuscripts, and publications related to the area of expertise.

University and Public Service (15% of Effort)

The Ho lab has an undergraduate researcher and will hire additional ones in the coming year. The Junior Specialist is expected to take on the mentorship of these undergraduate students. S/he will be actively involved in the daily operations of the Ho Lab mouse facility and will also mentor the research assistants who may be recruited in the future to assist in this capacity.

BASIC QUALIFICATIONS:

Bachelor degree in Biology or a related field with a minimum of three years of research experience in a laboratory setting is required. Expertise in working with mouse and human cultured cell lines, and performing related techniques including transfection and purification of recombinant proteins, production and transduction of recombinant lentiviruses, is required. Experience and proficiency in histological preparation and analysis of mouse tissues is required. Experience of advanced molecular biology techniques (e.g., construction of large DNA plasmids) and confocal microscopy is required. Finally, the job also require a highly motivated, organized, and focused individual who is eager to learn and to take initiative. The ideal candidate will have strong interpersonal, communication, and decision-making skills, as well as the ability to work well independently and as part of a team.

SALARY RANGE: Step I - \$18.26 per hour

TERM OF APPOINTMENT: Part time 49%, 6 months (initial), which can be extended to up to 1 year in total

To Apply:

To apply, please go to the following link: <https://recruit.ucdavis.edu/apply/JPF01898> . For full consideration applications must be received by October 30, 2017, however, the position will remain open until filled through June 30, 2018. Qualified applicants should submit a resume and unofficial transcripts. In the resume, please briefly describe your research experience, including the dates at each position, and the types of experimental techniques acquired during these previous training periods. Documents/materials must be submitted as PDF files. Applicants should also provide contact information for three references.

UC Davis commits to inclusion excellence by advancing equity, diversity and inclusion in all that we do. We are an Affirmative Action/Equal Opportunity employer, and particularly encourage applications from members of historically underrepresented racial/ethnic groups, women, individuals with disabilities, veterans, LGBTQ community members, and others who demonstrate the ability to help us achieve our vision of a diverse and inclusive community.

Under Federal law, the University of California may employ only individuals who are legally able to work in the United States as established by providing documents as specified in the Immigration Reform and Control Act of 1986. Certain UCSC positions funded by federal contracts or sub-contracts require the selected candidate to pass an E-Verify check. More information is available <http://www.uscis.gov/e-verify>.

UC Davis is a smoke & tobacco-free campus (<http://breathefree.ucdavis.edu/>).

If you need accommodation due to a disability, please contact the recruiting department.