Assistant Project Scientist
Borodinsky Lab

Apply Here: https://recruit.ucdavis.edu/JPF03979

Recruitment Period
Open date: February 1, 2021
Next review date: February 14, 2021 -- Apply by this date to ensure full consideration.
Final date: June 30, 2021 -- 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.

Position Description:

NATURE AND PURPOSE

The Department of Physiology and Membrane Biology at the University of California, Davis, School of Medicine, seeks to hire a full-time, 100%, employee as an Assistant Project Scientist to perform research functions in the study of the mechanisms of action of folate and folate receptor during neural tube formation.

Project Scientists are members of the Academic Federation. The Project Scientist makes significant and creative contributions to a research or creative project in his/her academic discipline. The appointee possesses the subject matter expertise and the creative energy necessary to function at a high level of competence. The appointee will participate in activities to increase, improve, or upgrade competency. Appointees with Project (e.g., Scientist) titles may engage in University and public service. They do not have teaching responsibilities. Although the Project Scientist is expected to work independently under the general guidance of an academic member with an independent research program (i.e., Professor, Professional Researcher, Specialist in Cooperative Extension, etc.), he/she is not required to develop an independent research program or reputation. He/she will carry out research or creative programs with supervision by an individual in an academic title that carries with it automatic Principal status. The Project Scientist does not usually serve as a Principal Investigator but may do so by exception.

MAJOR RESPONSIBILITIES

1) RESEARCH (80%)

Research activity (60%)
This position requires creative contributions to and collaborative development of an active research program investigating topics relevant to the research area of developmental neuroscience and neural tube defects. The candidate will help to determine research goals in consultation with the Principal Investigator. He/she will design specific projects, including the selection of appropriate methods and techniques. In some cases, the candidate may supervise students or technicians regarding the technical aspects of the research, including methods development, trouble-shooting problems, interpreting results and planning follow-up experiments. The candidate will micro dissect frog embryos and larvae, microinject frog embryos to manipulate gene expression related to folate and folate receptor function and assess the molecular mechanisms underlying neural tube defects. The candidate will perform diverse assays to assess protein expression and protein-protein interaction, including Western blots, coimmunoprecipitation assays, immunohistochemistry and imaging of live and fixed samples and will perform advance 4D-image analysis using NIS Elements and Imaris software.

Publication (10%)
The candidate will publish research in peer-reviewed journals either independently or in collaboration with the PI or other members of the research team.
Grant Acquisition (10%)
The candidate will assist in writing proposals for funding from federal and state agencies and other funding organizations. The candidate will prepare and assist in the preparation of reports as required by granting agencies and prepare modifications of budgets and other grant components as needed.

2) PROFESSIONAL COMPETENCE AND ACTIVITY (15%)
The candidate will participate in professional societies and conferences appropriate to his/her specific field of developmental neuroscience and will serve as a reviewer of research proposals and scientific publications as appropriate. The candidate will attend seminars to present research results and may give oral presentations to public and professional interest groups.

When appropriate, the candidate may coordinate and/or give presentations at seminars, laboratory meetings or educational functions.

3) UNIVERSITY AND PUBLIC SERVICE (5%)
The candidate is expected to contribute to outreach activities to promote the research in the lab to the broader community and to enhance the interest in science in young students. This includes but is not limited to, presenting scientific research results to the general public and providing relevant advice to individuals and public agencies.

BASIC QUALIFICATIONS:
- Ph.D. in molecular and cellular physiology or a related.
- Minimum 6 years of experience using Xenopus laevis embryo as animal model and neural tube defects research.
- Strong molecular biology and physiology background.
- Excellent writing and oral communication skills.

PREFERRED QUALIFICATIONS:
- Experience in manipulation of gene expression in Xenopus laevis embryos and in the study of cellular and molecular mechanisms of neural tube formation, including folate and folate receptor action is desired.

TO APPLY:
To apply, please go to the following link: https://recruit.ucdavis.edu/JPF03979. For full considerations applications must be completed by 02/14/2021; however, the position will remain open until filled through June 30, 2021.

Qualified applicants should submit:
- Cover letter
- Research statement
- Curriculum vitae
- 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 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. For the complete University of California nondiscrimination and affirmative action policy see: http://policy.ucop.edu/doc/4000376/NondiscrimAffirmAct. If you need accommodation due to a disability, please contact the recruiting department.

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 positions funded by federal contracts or subcontracts 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- and tobacco-free campus effective January 1, 2014. Smoking, the use of smokeless tobacco products, and the use of unregulated nicotine products (e-cigarettes) are strictly prohibited on any property owned or leased by UC Davis -- indoors and outdoors, including parking lots and residential space http://breathefree.ucdavis.edu/.

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