DESCRIPTION

The Department of Microbiology & Molecular Genetics at the University of California at Davis seeks to hire a fulltime employee as an Assistant Project Scientist to perform research functions in the laboratory of Professor Wolf-Dietrich Heyer which studies the mechanisms and regulation of recombinational DNA repair and its applications to the cancer clinic.

Research Activity
The successful candidate will work on NIH-funded and/or DOD-funded projects on the mechanism and regulation of recombinational DNA repair using the budding yeast *Saccharomyces cerevisiae* as a model system and in human cells and with human proteins. The work will primarily involve the purification of protein and reconstituting *in vitro* reactions with purified protein and nucleic acid substrates. The successful candidate will also contribute to experimental design, data collection, data curation, analyses, writing manuscripts and research grants. While the position entails work on one or several specific projects, creative contributions to the ongoing project and future offshoots are expected and encouraged.

The candidate will be able to lead complex research projects independently, in consultation with the PI and with the assistance of other members of the research team. Excellent interpersonal and communication skills are essential, as the laboratory is a diverse team in terms of scientific and personal backgrounds.

In coordination with the PI, the successful candidate will also be responsible for engaging in collaborations, mentoring undergraduate students, graduate students, and occasional visitors.

Publication
The candidate will publish research in peer-reviewed journals in collaboration with the PI and/or other members of the research team. It is expected that the candidate write the first draft of any publication, where the candidate features as lead author.

Grant Acquisition and Professional Activity
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.

The candidate will present his work at formal and informal group meetings and participate in the laboratory journalclub presentations.

The candidate is encouraged to attend scientific conferences and engage in career development activities.
The candidate will contribute in the review of research proposals and scientific publications as appropriate.

The candidate will attend seminars to present research results and is encouraged to give oral presentations to public and professional interest groups.

Qualifications

Minimum Qualifications:
- Ph.D. in biochemistry or related fields
- More than 5 years of research experience post-PhD
- A distinguished record of original research publications
- The ability to work independently at a high level of competence on complex projects, as evidenced by leading projects resulting in peer-reviewed publications
- Skills and a track record of trouble shooting and optimizing experimental protocols
- Experience with protein purification from various expression systems
- Skills for accurate, complete, and neat record keeping and familiarity with principles of open data and reproducibility

Preferred Qualifications:
- Advanced experience in protein purification
- Experience in reconstituting in vitro reactions with purified proteins
- Molecular cloning or genetic engineering experience
- Experience in advanced substrate design for in vitro reactions
- Experience in mentoring undergraduate and graduate students

POSITION AVAILABLE/CLOSING DATE: For full consideration applications must be received by October 15, 2017. This position will be open until filled through April 30, 2018.

TO APPLY: To apply, please go to the following link: https://recruit.ucdavis.edu/apply/JPF01800. Applicants should submit a cover
letter detailing their specific qualifications for this position, and a curriculum vitae that includes the names and contact information for at least three references. Generic cover letters that do not address the specific qualifications for this position are not acceptable. Documents/materials must be submitted as PDF files.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age or protected veteran status. For the complete University of California nondiscrimination and affirmative action policy see: http://policy.ucop.edu/doc/4000376/NondiscrimAffirmAct.

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