



**UC DAVIS SCHOOL OF MEDICINE
DEPARTMENT OF PHARMACOLOGY**

The University of California, Davis, School of Medicine, Department of Pharmacology invites applications for a full-time academic position in the Assistant Specialist series.

The successful candidate should have research interests aimed at elucidating insulin signaling cross talk with adrenergic signaling in the heart, leading to impaired EC coupling in myocytes and increased cardiac fibrosis.

The incumbent will be in charge of an independent project on diabetic cardiomyopathy. Specific job duties will include characterizing the intracellular biochemical pathways induced by insulin and catecholamines, generating transgenic colonies in the lab, performing high fat diet feeding, and performing cardiac function assay with echocardiograph, isolation of cardiac myocytes from animals after high fat diet feeding, analyzing EC coupling of isolated myocytes.

Basic qualifications for this position are as follows:

- At least 5 years of experience with specific expertise in the area of specialization, or Ph.D. in life science with strong expertise in Molecular and Integrative cardiac biology.
- Experience in generating transgenic animals through breeding and genotyping.
- Experience in developing different animal models including high fat diet feeding, transaortic constriction, and osmotic mini pump implantation.
- Expertise in monitoring both systolic and diastolic cardiac function with echocardiograph.
- In vivo, ex vivo and in vitro expertise in cardiac biology, including langendorff perfusion and adult cardiac myocyte isolation.
- Extensive experience in cell culture, including stable cell lines and primary cell culture.
- Extensive experience in biochemistry including immunoprecipitation, western blot.
- Extensive experience in fluorescence microscope, including fixed and living cell imaging, calcium signaling, and FRET microscope.
- Publications with 1st author preferred.
- Good management skills to organize lab orders and lab inventory.
- Expertise to ensure compliance with lab safety and biosafety regulations in UC Davis and other university and government policies.

For full consideration, applications must be received by February 20, 2017, however, the position will remain open until filled through June 30, 2017. Qualified applicants should apply online at UC Recruit: <https://recruit.ucdavis.edu/apply/JPF01451> and upload a cover letter detailing their qualifications for the position, a PDF of their curriculum vitae and contact information for 3-5 references. A research statement is also preferred, but not required.

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>.

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/>).