

UC Davis Postdoctoral Positions - Stem Cell Technology/Neuroscience/Drug Discovery

The Laboratory of Dr. Wenbin Deng at UC Davis seeks applications from qualified candidates with expertise in human induced pluripotent stem cell (iPSC) technology to our established stem cell/neuroscience research team. Candidates with a strong background in cell, molecular and systems biology also are encouraged to apply. Our mission is to tackle the key challenges that currently impede the translation of the iPSC technology for disease modeling, drug discovery and regenerative medicine applications.

We are looking for highly motivated, open-minded and collaborative applicants with experience in Stem Cell/Genome Editing/Neuroscience techniques. Human iPSC experience or CRISPR-Cas9 or NgAgo-gDNA genome editing experience is preferred.

The selected candidate will join a multidisciplinary team of innovative scientists with expertise in assay development, drug screening, drug discovery, medicinal chemistry, compound management, chemical biology, innovative pharmacology, biomaterial engineering, bioinformatics, nanotech, drug delivery, and various “-omics” technologies. S/he will work in a highly creative environment, focusing on important aspects of human pluripotency and cellular differentiation using cutting-edge technologies (e.g., single-cell analysis, deep sequencing, 3D CNS organoid culture, patch-clamp electrophysiology). The selected candidate will establish new standards, quality controls, improved protocols and other resources for the iPSC field.

We strive for impactful science in a collaborative and collegial environment. We consider career development in basic science and translational medicine core to our mission. Our postdoctoral fellows will fully benefit from the deep connections to premier academic labs, hospitals and biotech/pharmaceutical companies in an established biomedical environment.

The ideal candidate will be expected to work independently as a problem-solver. S/he will keep accurate and complete records of all scientific experiments according to established procedures and ensure that these records and raw data are properly retained. S/he also will draft manuscripts and patent applications and present work internally and externally as needed. The ideal candidate is expected to have a strong background in stem cell biology/engineering technology, drug discovery, cell and tissue engineering, cell signaling, or quantitative biology. S/he should be a team player with high scientific standards and possess the ability to work in an interactive, fast-paced environment. S/he is expected to be self-motivated to learn new technologies and be familiar with the methods and concepts of stem cell technology and regenerative medicine.

Please send a cover letter, curriculum vitae, and the contact information of at least three references to [wbdeng AT ucdavis.edu](mailto:wbdeng@ucdavis.edu).

Review of applications will begin immediately and continue until positions are filled.