



JOB TITLE: Research Assistant/Associate
Location: California Northstate University, Elk Grove, California

Minimal qualifications:

A bachelor's degree in biology or related fields. Two to three years' work experience in research and experience with molecular biology techniques listed below, aseptic techniques, immunohistochemistry, and cell culture. The candidate should have excellent communication skills, proficient knowledge of computer applications (word, excel, and powerpoint), manage simple data analysis, and work well with others.

Desired qualifications:

- 1) Ph.D. in biological sciences (or related field).
- 2) A strong background in cancer with animal study experience.
- 3) Proficient in routine molecular assays (DNA/RNA isolation, qPCR), histology, immunohistochemistry and/or immuno-fluorescence, and confocal microscopy, protein purification, immunoprecipitation and multi-color flow cytometric technology.

Laboratory Position Job Summary:

A qualified and highly motivated individual is sought to fill a Research Assistant/Associate position to join a laboratory that focuses on interrogating target biology and mechanism of action experimentally, using an array of techniques, including but not limited to cell culture of cell lines and primary tissue samples, general cell-based assay development, western blotting, ELISA, gene editing and cell line generation, qPCR, RNASeq, siRNA/shRNA knockdown, immunofluorescence and other basic molecular and cell biology skills. Job Duties will include the following:

- To conduct investigator-guided experiments and help troubleshoot with technical difficulties by examining and analyzing the data; selecting corrective steps.
- To execute laboratory protocols with high precision and accuracy.
- To keep laboratory supplies ready by inventorying stock; placing orders; verifying receipt.
- To help maintain laboratory in compliance with University Policies (including IACUC and EHS).
- To keep information by maintaining daily logs and equipment record books.
- To keep equipment operating by following operating instructions; troubleshooting breakdowns; maintaining supplies; performing preventive maintenance; calling for repairs.
- To update knowledge by participating in educational opportunities; reading technical publications and participates in group and project meetings.
- To work at both locations: the laboratory and the animal facility.
- To help with animal experimentation (blood sampling, animal experimentation, tissue dissection, among other techniques).
- To participate in new students/employees laboratory training.
- To assist with the preparation of manuscripts for publication.



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Applications will be reviewed upon receipt. For full consideration, candidates should provide curriculum vitae/resume with at least three references. All candidates are asked to provide a cover letter.