

Applications are sought for a postdoc position in lung cancer research offered through the Department of Medicine, Division of Medical Oncology within the University of Colorado Anschutz Medical Campus in Colorado, in the laboratory of Sharon R. Pine.

The Pine laboratory uses multi-omics and multi-disciplinary approaches to define the complex molecular drivers of lung cancer and discovers novel ways to treat oncogene-driven lung cancer with targeted and combination therapies. Current projects include determining the mechanisms of resistance to tyrosine kinase inhibitors in ALK- and EGFR-driven lung cancer, discovering combination therapy options for PI3K-mutant lung cancer, and defining the roles of SOX9 and FILIP1L during lung cancer development and progression.

The PI is committed to supporting the candidate's academic career development and research progress, including the exploration of new project areas and collaborations. While the position requires a strong working knowledge of general molecular and cellular biology techniques, preferably in the cancer field, there is an expectation that many of the position responsibilities will be learned "on the job". Individuals from diverse backgrounds are strongly encouraged to apply.

Key Responsibilities:

- Design short- and long-term career and laboratory goals
- Actively engage in lung cancer-focused research efforts including preclinical drug screens on human patient-derived models in cell culture and in mice and study downstream pathways mechanisms through, but not limited to, western blotting, cloning, spatial profiling, genetic mouse models, under the guidance of the lab PI and lab faculty
- Actively pursue fellowship grants
- Communicate results in one-on-one interactions with lab members, regular lab meetings, inter-lab meetings, meetings with collaborators, scientific publications, abstracts and presentations, grants and progress reports
- Oversee projects from conception to completion, including manuscript writing and submission
- Assist and train other lab members
- Maintain assessable, fully transparent records of experimental design, execution, results and interpretations, as well as be responsible for all rules of conduct related to ethical research

Onsite - this role is expected to work onsite and is located in Aurora, CO.