One postdoctoral position is available in the NCI-funded cancer research laboratory of Dr. Rebecca Schwppe at the University of Colorado Anschutz Medical Campus. The goals of the Schwppe lab are to understand the regulation and function of kinase signaling pathways in thyroid cancer, and to define pathways that promote sensitivity or resistance to therapies targeting these pathways. For these studies, we combine unbiased approaches, including proteomics and high throughput small molecule and functional genomic screens with focused in vitro approaches, including Western blotting, growth and apoptosis assays, 3D culture, and invasion/migration assays. To translate our findings to the clinic, we use innovative in vivo models, including the orthotopic thyroid cancer model, an experimental metastasis model, immunocompetent models, and patient-derived xenograft (PDX) models. For our studies, we have one of the largest panels of authenticated thyroid cancer cell lines in the world, that have been molecularly characterized by genome-wide copy number and gene expression, histology, and mutations (Landa et al, 2019). Together, these tools and approaches will lead to a better understanding of kinase signaling in thyroid cancer, reveal how different pathways cooperate to promote tumor progression, uncover novel targets, and determine the most durable strategies for targeting the most aggressive forms of the disease.

We can offer a postdoctoral position at NRSA stipend levels for up to 5 years with strong mentorship and training. For more information, please see the Schwppe lab website.

Qualifications:

A PhD degree in life or biomedical sciences is required (Biochemistry, Cancer Biology, Pharmacology, Molecular Biology). Recipients with a recent PhD degree are strongly encouraged to apply.

Applicants with a record of accomplishment, including peer-reviewed publications and presentations at scientific conferences are encouraged to apply. We are looking for an eager, self-motivated scientist who can work independently, and collaboratively, with a strong background in:

Cell signaling  
Molecular biology  
Bioinformatics  
Tissue staining  
Animal models  
Excellent communicating skills in English

How to apply:

Apply directly to Dr. Rebecca Schwppe (Rebecca.Schwppe@CUAnschutz.edu) with:

Letter of interest highlighting your experience, achievements, and research goals.  
Curriculum vitae  
Contact information for three professional references