

A postdoctoral associate position in the Department of Urology

A postdoctoral associate position is currently available in the Department of Urology at the University of Rochester School of Medicine and Dentistry in Rochester, NY, starting from October 2024. Dr. Yeh's research projects focus mainly on studying the roles of the estrogen receptor (ER) and androgen receptor (AR) in urological diseases, including prostate, bladder and kidney cancers.

Dr. Yeh's lab has successfully utilized a broad range of research strategies, with *in vitro* biochemistry and molecular biology and *in vivo* animal models, to delineate the biological roles of the AR and ER. In the earlier stages of her career. In recent years, Dr. Yeh's research projects have also focused on studying non-coding RNAs and cancer biomarkers in circulating tumor cells, plasma and urine. Overall, Dr. Yeh's research strength is in hormone receptors, mechanisms of tumor metastasis and drug treatment resistance in urological cancers.

The postdoctoral associate will be working with Dr. Yeh to understand biomolecules which could lead to tumor metastasis and treatment resistance in urological cancers. The position will focus on Molecular biology.

The postdoc may develop new ideas to further current research, while receiving advanced training in professional skills and research independence. Prepares writing and figures for scientific manuscripts. May train and supervise other research staff and students. The initial appointment is for one year, with renewal expected if performance is satisfactory and funds are available.

Primary responsibilities include:

- DNA and RNA isolation/analysis, qPCR, cell culture, western blot, plasmid construction, independent data analysis & troubleshooting, and writing of results.
- Participating in study team meetings and providing updates on project status and changes as needed.
- Contributing to data collection, management and analysis, and the development of manuscripts and grant applications.

Eligibility Requirements: Applicants must have a recent Ph.D. in molecular/cancer biology or a related discipline, along with demonstrated prior research experience evidenced by first-authored peer-reviewed publications. Strong organizational skills, a high degree of independence and initiative, superb communication skills, excellent computer proficiency, and the ability to collaborate effectively with other group members, and collaborators are essential. We are particularly interested in a postdoctoral candidate with research experience in cell culture, flow cytometry, molecular biology, mouse tumor model, and RNA sequencing. Experience with bioinformatics and interest in spatial transcriptomic approaches is a plus. The ideal candidate will be highly motivated, reliable, and equally productive when working independently or cooperatively.

Location, Time Frame and Salary: This appointment will be made through the University of Rochester Department of Urology, Rochester, NY. The position is initially for one year of commitment with the possibility of a longer-term extension pending performance and funding. Salary and benefits will be commensurate with qualifications and experience, following the guidelines set by the University of Rochester.

The University of Rochester has an active Postdoc Association that provides highly enriched environment for postdocs including career development workshops and social opportunities to get to know other postdocs. More information about postdoc activities and opportunities is available on this webpage, <https://ccc.rochester.edu/pda/home/>

How to Apply: Applicants should email a CV along with details about recent research interests and activities to Dr. ShuYuan Yeh ShuYuan_Yeh@URMC.Rochester.edu.

The University of Rochester is committed to fostering, cultivating, and preserving a culture of equity and inclusion. The University believes that a diverse workforce and inclusive workplace culture enhance the performance of our organization and our ability to fulfill our important missions. The University is committed to fostering and supporting a workplace culture inclusive of people regardless of their race, ethnicity, national origin, gender, sexual orientation, socio-economic status, marital status, age, physical abilities, political affiliation, religious beliefs or any other non-merit fact, so that all employees feel included, equal valued and supported.