

Postdoctoral Fellow Position - *Translational Cancer Research*

Job Description

We are aiming to recruit a skilled and enthusiastic postdoctoral scientist in the Molecular Genetics group of Drs. Evgeny Izumchenko and Nishant Agrawal, Department of Medicine, University of Chicago. Our focus is on understanding the complex interplay between the genetic and epigenetic alterations in carcinogenesis and disease progression, and on exploiting this understanding for developing novel biomarkers for diagnosis and risk stratification as well as in identifying targets for therapeutic intervention. Drs. Izumchenko and Agrawal lab is an integral component of the translational cancer research program at the University of Chicago, working collaboratively with the team of investigators with complementary and integrated expertise including surgeons, clinical oncologists, pathologists and computational biologists.

The successful applicant will be responsible for initiating and carrying out translational medicine research projects using patients' cancer samples, patient-derived xenografts (PDX) and organoid models, deep sequencing, and cutting edge molecular approaches. He/she will enter an outstanding training environment and will work with a group of scientists and clinicians focusing on early head and neck cancer diagnostics and targeted therapeutics.

Responsibilities

- * Design, develop, execute, and implement scientific experiments to identify and characterize molecular alterations associated disease progression and therapeutic response to novel anti-cancer drugs.
- * Keep detailed records of experiments. Interpret the data. Prepare data for presentations at scientific meetings and for publication in journals.
- * Write manuscripts, contribute to preparation and writing of grants and progress reports.
- * Assist with training laboratory staff as needed.
- * Perform other duties as assigned.
- * Potential candidates must be able to handle multiple projects on a tight schedule and have the ability to work both independently and as part of a collaborative research group.

Minimum Requirements

- * Already in the US and authorized start working immodestly.
- * Ph.D. or M.D./Ph.D. in molecular/cell biology. M.D. with strong wet-lab experience.
- * Excellent English oral and written communications skills are required.
- * Preference will be given to applicants with a strong background in molecular biology and demonstrated scientific achievements.
- * Strong recommendation letters.

Interested individuals are encouraged to submit an electronic copy of their curriculum vitae, statement of research interest, and a brief cover letter including the name and contact information of three references to Dr. Evgeny Izumchenko (izumchen@uchicago.edu), Nishant Agrawal (nagrawal@surgery.bsd.uchicago.edu), or Marian Fernando (mfernando5@uchicago.edu).