

Postdoctoral applications are sought from highly-motivated candidate(s) to join the laboratory of Dr. A. Pratap Kumar in the Department of Urology, University of Texas Health San Antonio, Texas. The goal of the project is to establish the role of ribosomal protein RPS6KB1 in prostate pathogenesis and develop it as a target for therapeutic sensitization. Previous work from our laboratory identified the potential clinical utility for a natural compound, namely Nexrutine as an adjuvant in the clinical treatment setting. A window clinical trial in prostate cancer patients undergoing conventional therapy established the safety of Nexrutine in the neoadjuvant setting. Subsequent mechanistic investigations revealed ribosomal protein, RPS6KB1 as an important player in sensitizing prostate cancer cells to radiation and as a potential target of berberine, an active constituent of Nexrutine. The post-doctoral candidate will define the role of RPS6KB1 in tumor-driven inflammatory signaling that facilitates therapeutic resistance.

Candidate should have a PhD with a strong background and hands on experience in biochemical, cellular and molecular biology of cancer. Working experience with preclinical animal models preferably prostate cancer models is preferred. Knowledge of radiation biology will be a strength. The candidate is expected to work in a team environment, have good writing and communication skills. Career development opportunities are available.

All postdoctoral appointments are designated as security sensitive positions. UT Health San Antonio is an Equal Employment Opportunity/Affirmative Action Employer including protected veterans and persons with disabilities.

To apply for this position please submit a detailed CV, a 1-page personal statement that includes career goals and contact information for three referees (at least one should be a current employer) to [kumara3@uthscsa.edu](mailto:kumara3@uthscsa.edu)