

Cancer Prevention Postdoctoral Training Opportunity in

Department of Epidemiology

We are looking for candidates for postdoctoral fellowships to join the laboratory of Dr. **Kevin T. Nead** in the **Department of Epidemiology** at The University of Texas MD Anderson Cancer Center. This postdoctoral fellowship will **focus on genetic and genomic research related to cancer prevention** such as:

- **Identifying pre-cancer genetic changes in normal tissues and defining their relationship to cancer risk factors**
- **Understanding how cancer therapies impact acquired mutations in normal tissues and how this may impact clinical outcomes**
- **Investigating how acquired mutations in the blood of healthy individuals may promote adverse phenotypes**

Qualified candidates should have a doctorate in **medicine, epidemiology, bioinformatics, biostatistics, genetics, computer science, or a related field**. Prior experience in cancer prevention, **genetics research, or computational methods** is preferred. Publications in **oncology, genetics, informatics, and/or epidemiology** are important. All candidates must have evidence of strong writing skills and a desire to take project ownership and develop manuscript and/or grant writing skills. This postdoctoral fellowship provides an exceptional opportunity to develop research experience, publications in cancer prevention, **writing skills, experience generating and analyzing patient level genetic and genomic data, experience using cutting edge technologies and methods, and development of grant-writing skills with the aim of faculty/industry appointment at term completion.**

The **Nead Lab** at the **MD Anderson Cancer Center** is an innovative group in the departments of Epidemiology and Radiation Oncology. Our group benefits from the expertise of a computational scientist, statistical analyst, and laboratory technician as well a rich trainee environment currently including masters, PhD, and MD students. The Nead lab utilizes clinical data and patient samples generated at MD Anderson Cancer Center as well as samples and data from outside sources to conduct cutting edge research. Our goal is to understand how we can utilize genetic and genomic information to prevent cancer development, prevent cancer recurrences, and prevent treatment related toxicities. The Nead lab also collaborates closely with other research groups throughout the institution creating a rich learning environment for trainees to learn from and be mentored by investigators with a range of expertise and areas of interest.

Eligible candidates interested in this opportunity will **undertake mentored research, develop cutting edge analytic and computational skills, will have the opportunity to work on existing projects and develop their own research projects, will have mentorship on grant writing in order to propel them to the next stages of their careers,** and will seek funding through the Cancer Prevention Research Training Program (CP RTP) with Dr. **Nead** and other appropriate faculty as sponsoring mentors.

At MD Anderson, the Cancer Prevention Research Training Program (CP RTP) prepares health scientists and clinicians to assume leadership roles as research investigators in cancer prevention and control. Trainees appointed to the program will increase their knowledge of cancer prevention and control research and practice through curriculum-based learning; obtain hands-on experience in ongoing cancer prevention and control

research projects under the mentorship of established investigators; and participate in workshops, scientific presentations, scientific writing, grant preparation, and professional development skills. Centered around mentored research in cancer prevention and control guided by experienced faculty mentors, multidisciplinary training will be accomplished through a robust training plan that is founded on rigorous quantitative methods, a specialized cancer prevention educational curriculum, an individual development plan, and career development activities. Trainees are immersed in the type of cross-disciplinary research environment characteristic of cancer prevention and control, with the objective of launching the trainee in the role of principal investigator early in his or her career. The CPRTP is committed to building a demographically and scientifically diverse research workforce.

Selected applicants will be appointed to a one-year, full-time research postdoctoral fellowship position with a competitive salary and benefits. These positions are funded by a research training grant award from the Cancer Prevention and Research Institute of Texas (Award# RP170259, Drs. Shine Chang & Sanjay Shete, Principal Investigators).

For more details about the CPRTP, visit the main program web page at www.CancerPreventionTraining.org. For details about the CPRTP CPRIT-funded postdoc fellowship, visit: <https://www.mdanderson.org/education-training/clinical-research-training/postdoctoral-training/postdoctoral-fellowships/cprtp-postdoctoral-fellowship-in-cancer-prevention.html>

For inquires specific to working with the **Nead Lab**, please email ktnead@mdanderson.org.

All application documents are due **Monday February 15th** by 11:59 p.m. CT.

Thank you,



Kevin T. Nead, MD MPhil
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Department of Radiation Oncology
Division of Cancer Prevention & Population Sciences
Division of Radiation Oncology
MD Anderson Cancer Center