Overview

Cures Start Here. At Fred Hutchinson Cancer Research Center, home to three Nobel laureates, interdisciplinary teams of world-renowned scientists seek new and innovative ways to prevent, diagnose and treat cancer, HIV/AIDS and other life-threatening diseases. Fred Hutch’s pioneering work in bone marrow transplantation led to the development of immunotherapy, which harnesses the power of the immune system to treat cancer. An independent, nonprofit research institute based in Seattle, Fred Hutch houses the nation’s first and largest cancer prevention research program, as well as the clinical coordinating center of the Women’s Health Initiative and the international headquarters of the HIV Vaccine Trials Network. Careers Start Here.

The laboratory of Dr. Harlan Robins, Head of Computational Biology, is recruiting two postdoc positions funded by Stand UP 2 Cancer and the V Foundation to study the interaction between the adaptive immune system and cancer.

This position will come with a competitive postdoc-level salary with great benefits for a two-year position with some possibility of extension. Fred Hutchinson Cancer Research Center, home of about 190 faculty including three Nobel laureates, is an independent, nonprofit research institution dedicated to the development and advancement of biomedical research. The environment is lively yet casual, with a strong emphasis on collaborative work. The Center is housed in a lovely campus next to Lake Union a short walk from downtown, and a slightly longer walk from the University of Washington.

Responsibilities

Dr. Robins focuses on the quantitative analysis of the adaptive immune system. His approach takes advantage of new high-throughput sequencing technology developed by Dr. Robins and his collaborators. His group is isolating and sequencing millions of adaptive immune receptor rearrangements to profile the adaptive immune system. With this new technology, he is working toward a comprehensive description of the t-cell repertoire and studying the dynamics of immune response. He is applying this technology in multiple clinical settings including HSC transplant and cancer immunotherapy.

The position will involve technology development, algorithm creation, and applications. Primary research goals will be to develop high-throughput technologies to assess the specific immune response to cancer and to learn how the tumor evades this response and how the response can be resuscitated to effectively fight tumors.

Qualifications

- Ph.D. in biological science, math, physics, or another computation-heavy discipline
- Either computer programming proficiency or some programming and molecular biology laboratory experience
- Clear ability for independent research

Please include the following documents in your application:

- Two representative publications
- 2-3 paragraph statement of research interests
- Names and email addresses of three references
- CV

Options

Apply for this job online