Post-Doctoral Research Fellow, Vaccine Immunogen Design
(Job ID 12456)

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 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.

Responsibilities

The McGuire Lab (https://research.fhcrc.org/mcguire) is seeking outstanding postdoctoral fellows to work on a project involving the validating and testing of novel vaccine candidates to elicit broadly neutralizing antibodies against HIV-1.

The successful candidate will design and execute prime-boost immunization regimens in a humanized murine model which will serve as a surrogate for human vaccine trials. The candidate will perform endpoint analyses including antigen-specific B cell sorting and serum antibody binding and neutralization assays to gain a high-resolution understanding of the immune response to immunization. To complement this analysis the candidate will perform single B cell sorting of human PBMC samples ascertain the identity of antigen-reactive naïve B cells.

Qualifications

PhD in immunology, microbiology, cell biology, or a related field is required and expertise in B cell immunology is highly desirable. Experience with conducting in vivo studies in murine models, preferably immune analysis, required. The candidate should have a strong molecular biology background as well. Must be willing to work flexible hours as needed. The candidate must be independent, show initiative, willingness to take up new skills and responsibilities, and be a team player. Excellent attention to detail and the ability to work independently are essential to success in this position, as are good communication and organizational skills. The candidate must be self-motivated, able to multitask and to work within a very collaborative environment.

Our Commitment to Diversity

We are committed to cultivating a workplace in which diverse perspectives and experiences are welcomed and respected. We are proud to be an Equal Opportunity and VEVRAA Employer. We do not discriminate on the basis
of race, color, religion, creed, ancestry, national origin, sex, age, disability, marital or veteran status, sexual orientation, gender identity, political ideology, or membership in any other legally protected class. We are an Affirmative Action employer. We encourage individuals with diverse backgrounds to apply and desire priority referrals of protected veterans. If due to a disability you need assistance/and or a reasonable accommodation during the application or recruiting process, please send a request to our Employee Services Center at escmail@fredhutch.org or by calling 206-667-4700.