Post-Doctoral Research Fellow, Statistical Methods Development

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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.

At Fred Hutch, we believe that the innovation, collaboration, and rigor that result from diversity and inclusion are critical to our mission of eliminating cancer and related diseases. We seek employees who bring different and innovative ways of seeing the world and solving problems. Fred Hutch is in pursuit of becoming an antiracist organization. We are committed to ensuring that all candidates hired share our commitment to diversity, antiracism, and inclusion.

Responsibilities

A Postdoctoral Research Fellow position is available immediately in the Biostatistics, Bioinformatics and Epidemiology Program (BBE) of the Vaccine and Infectious Disease Division of the Fred Hutchinson Cancer Research Center. The successful applicant will work primarily on developing cutting-edge statistical methods motivated from high-impact collaborative projects in infectious diseases and cancer prevention, with a range of potential topics, including threshold regression models, kernel machine regression/classification, efficient study designs and methods for panel development towards disease early detection, treatment selection, and surrogate marker evaluation, statistical methods for experimental assay, and others. The applicant will also have the opportunity to join collaborative projects and analyze large datasets with high public health significance.

Please visit our lab pages for more information: Fong Group and Huang Group.

Qualifications

PhD degree in biostatistics/statistics; strong theoretical background and programming skills; strong oral and written communication skills; strong independent problem solving skills. Excellence in R is required. Proficiency in C/C++ a plus. Experience with missing data methods, variable selection, biomarker evaluation, mixture models, high-dimensional data methods, causal inference, survival analysis, or clinical study design a plus.
A statement describing your commitment and contributions toward greater diversity, equity, inclusion, and anti-racism in your career or that will be made through work at Fred Hutch is requested of all finalists.

Our Commitment to Diversity

We are proud to be an Equal Employment Opportunity (EEO) and Vietnam Era Veterans Readjustment Assistance Act (VEVRAA) Employer. We are committed to cultivating a workplace in which diverse perspectives and experiences are welcomed and respected. We do not discriminate on the basis of race, color, religion, creed, ancestry, national origin, sex, age, disability (physical or mental), marital or veteran status, genetic information, 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 hrops@fredhutch.org or by calling 206-667-4700.