Statistical Research Associate I

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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.

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.

Statistical Research Associate (SRA) for cancer modeling studies

The Etzioni lab in the Biostatistics Program at the Fred Hutchinson Cancer Research Center is seeking a full-time Statistical Research Associate (SRA) for cancer modeling studies. We work closely with collaborators at the National Cancer Institute and other US and international partners to explore a wide range of questions about novel screening and prognostic biomarkers, personalized and targeted treatments, population cancer trends, and racial/ethnic disparities. Our work is statistical, computational, and policy-relevant. We use diverse datasets to create models of cancer progression with and without specific interventions, and we frequently rely on simulations to conduct virtual trials and study expected outcomes. The work is a dynamic mix of data analysis, computer programming, graphics development, policy research, and technical writing.

If you have a masters in statistics or biostatistics, computer science, mathematics, physics, economics, or a related field and are excited about using your skills to reduce the burden of cancer, then you may be a perfect fit for this open position. We are seeking an SRA with a background in quantitative analysis and proficiency with scientific programming.

The ideal candidate will be highly motivated to develop subject-area expertise and will prioritize quality in everything they do. We offer a supportive and collaborative environment allowing a high degree of independence and excellent opportunities for intellectual and professional growth.
Responsibilities

The SRA will be responsible for developing and implementing computational workflows to summarize or analyze datasets to inform disease models, designing and programming simulations under the direction of a senior modeler, developing statistical packages and user interfaces, documenting and archiving data and code produced, and writing reports and manuscripts.

Qualifications

MINIMUM QUALIFICATIONS:

- A master’s degree in statistics or biostatistics, mathematics, data science, computer science, physics, economics, or a related field
- Experience with health data analytics, e.g., survival analysis, predictive modeling, longitudinal studies, survey data analysis
- At least one year of relevant experience and demonstrated proficiency in scientific programming languages, such as R (strongly preferred), Python, Julia, or C/C++/Fortran
- Strong organizational skills, meticulous documentation practices, and excellent verbal and written communication skills

PREFERRED QUALIFICATIONS:

- Experience with or enthusiasm to become proficient with developing and testing web applications, Linux computing environments, parallel execution, version control systems, modern programming/debugging/profiling support tools

A statement describing your commitment and contributions toward greater diversity, equity, inclusion, and antiracism in your career or that will be made through your 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.