Post-Doctoral Research Fellow
Fred Hutchinson Cancer Center

Company Information: Fred Hutchinson Cancer Center (FHCC), home of three Nobel laureates, is an independent, nonprofit research institution dedicated to the development and advancement of biomedical research to eliminate cancer and other potentially fatal diseases. The FHCC provides a highly interactive and supportive environment for junior investigators to grow and develop their future career; it consistently ranks in the top 20 best places to work for postdocs, as surveyed by The Scientist.

Position Title: Post-Doctoral Research Fellow - Statistical Methods Development

Duties and 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 Center, Seattle, WA. The successful applicant will work primarily on developing efficient and robust statistical methods for design and analysis of biomarker studies for the purpose of disease screening, personalized medicine, measurement error correction, and surrogate endpoint identification in cancer and infectious diseases. Data collected by the HIV Vaccine Trial Network (HVTN), the COVID-19 Prevention Network (CoVPN), the cancer Early Detection and Research Network (EDRN), and the Women's Health Initiative (WHI) studies will be used as a basis for the methodological works. The applicant will also have the opportunity to join collaborative projects and analyze large datasets to present and publish research results with high public health significance.

Position 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, high-dimensional data methods, causal inference, survival analysis, measurement error models, or clinical study design a plus.

Salary Range/Benefits: Salary based on NIH scale + excellent benefits.

Application Information: To apply, please send the following to Dr. Ying Huang (yhuang@fredhutch.org): cover letter, personal statement describing your research experience and interests, CV, and names of three references.