Fred Hutch Post-Doctoral Research Fellow Opportunities

We are seeking outstanding scientists interested in conducting cutting-edge research into fundamental biological questions.

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 with minimal side effects. 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.

OPEN POST-DOCTORAL RESEARCH POSITIONS

Pancreas Cancer – Hingorani Lab (7192)

The Hingorani lab investigates molecular and cellular mechanisms of pancreatic ductal adenocarcinoma (PDAC) pathogenesis, using murine models of distinct genetic subtypes of pancreas cancer. Their efforts are directed at identifying and overcoming stromal barriers to treatment (including elevated interstitial pressures, activated fibroblasts, and multiple mechanisms of immune suppression); identifying and disrupting molecular drivers of metastasis; and developing immune-based strategies.

Cancer Stem Cell Biology – Paddison Lab (7015)

The Paddison Lab uses functional genetic approaches in mammalian stem cell model systems to uncover determinants of cell identity, self-renewal, and differentiation. This position will have a dual focus on basic biology and clinical translation of molecular vulnerability of human brain tumors, which will build on results of comprehensive RNAi and CRISPR-Cas9 screening in Glioblastoma stem-like cells and non-neoplastic neural stem cells.

Tumor Cell Clusters – Cheung Lab (7091)

Work in the Cheung lab focuses on uncovering the collective cell behaviors that emerge during the metastasis of tumor cell clusters. They have developed models to study the interactions and cell dynamics of tumor cell clusters using ‘tumor organoids’ and primary tumor specimens from patients. The ultimate mission of the lab is to leverage our understanding of tumor cell clusters to inform new ways to prevent and treat breast cancer metastases.

Thymic and Immune Regeneration – Dudakov Lab (7201)

The primary interest of the Dudakov Lab is to understand the mechanisms underlying endogenous thymic regeneration so that new therapies might be developed to enhance T-cell immunity, as needed. This position will focus on the investigation of novel regeneration pathways, as well as therapeutic strategies that can harness these pathways to enhance immune function.

For more information, and to apply, please visit fredhutch.org/en/careers.html

OUR DIVISIONS

Basic Sciences researchers answer fundamental biological questions and produce new insights on the basic biology of life processes and cancer development. Our faculty includes structural, genetic, molecular, cellular, developmental and evolutionary biology investigators working in diverse areas related to all aspects of biology.

Clinical Research investigators conduct laboratory and patient-oriented research to better understand the mechanisms that drive cancer and other human diseases.

Human Biology researchers come together to form a multidisciplinary team. Grounded in high-quality basic science, the research performed in Human Biology blends fundamental, applied, and translational research performed in model organisms and in vitro systems.

Public Health Sciences researchers identify strategies that would ultimately reduce the incidence of and mortality from cancer and other diseases. Using large populations as their “laboratory,” our public-health researchers look for links between cancer and its possible triggers, from diet and lifestyle to environmental and genetic factors.

Vaccine & Infectious Disease Division goal is to eliminate or reduce the mortality and morbidity of infectious diseases. VIDD was established as an institute at Fred Hutch in 2007 to facilitate and enhance the Hutch’s efforts in infectious disease prevention and vaccine development. The institute achieved Division status in 2010.