Research Scientist

The **Department of Cancer Epidemiology and Prevention Research (CEPR), Cancer Research & Analytics, Cancer Care Alberta (CCA), Alberta Health Services (AHS)** invites applications for a **Research Scientist** with a focus on cancer epidemiology and health systems science. This core-funded AHS position offers the opportunity to pursue independent and collaborative multidisciplinary research with up to 75% of time protected for investigator-initiated research and at least 25% time to address questions directly relevant to health system leaders, care providers and people facing cancer in Alberta.

The Department of CEPR is part of Cancer Research and Analytics (CR&A), a division of CCA. Senior leaders in CCA have recognized the need to address not only the underlying causes of cancer and how it can be prevented but also how a health systems science approach can be used to address systems issues that are likely to impact outcomes and experiences of patients and caregivers. The health systems sciences research will generate new knowledge with the potential to accelerate progress towards the achieving the goals improving: 1) patient and population health outcomes; 2) financial health and value for money; 3) patients' and families' experiences; 4) the experience and safety of our people.

The Department of CEPR currently has a team of nationally and internationally recognized cancer epidemiologists and biostatisticians together with a core group of experienced research staff, engaged in population-based cancer research. Current research is focused on understanding the causes of cancer, improving early detection and risk prediction, developing interventions targeted at modifiable lifestyle factors, accelerating implementation of research findings at a population level, and enhancing knowledge translation through the development of clinical and population health guidelines. This Research Scientist position will have a focus on cancer epidemiology and prevention and the application of advanced analytics to reduce the population impact of cancer. This position will be expected to develop an independent research program in the analyses of cancer health system data. These areas may include but are not limited to: 1) examining biomarker and laboratory data from administrative sources in the evaluation of cancer risk; 2) generating linked population data resources to evaluate cancer risk; 3) developing and applying methods to analyze and project trends in cancer incidence, mortality, prevalence and survival; 4) using administrative data to evaluate the impact of population-based screening programs; 5) using linked laboratory data to evaluate gaps and opportunities in cancer screening; 6) evaluating the impact of targeted therapies on cancer outcomes using molecular testing data; 7) developing methods for evaluating comparative efficacy of treatments using administrative data. The position will have access to extensive resources for cancer research including a refreshed cancer data environment currently being built to coincide with the implementation of Connect Care (the Epic Electronic Health Record in Alberta) which includes the Alberta Cancer Registry and various provincial administrative health data. Multidisciplinary collaborations across research groups within Alberta Health Services, the University of Calgary, the University of Alberta, and other relevant stakeholders will be encouraged and facilitated as appropriate.

All members of the Department also have academic adjunct appointments at the University of Calgary and collaborate with other researchers at the Charbonneau Cancer Institute (https://charbonneau.ucalgary.ca/) and the O'Brien Institute of Public Health (https://obrieniph.ucalgary.ca/) in the Cumming School of Medicine. Appointments will be granted in appropriate Institutes and Departments of the University of Calgary at an academic level commensurate with experience. The appointees will be expected to obtain external research funding from provincial and national agencies to support their research program.

A new, innovative, state-of-the-art, 2 million ft^2 cancer center in Calgary will open in 2023. This facility will be the largest comprehensive, stand-alone cancer centre in Canada that will bring together researchers and clinicians from Alberta Health Services and the University of Calgary. In 2021, a $250 million campaign (https://owncancer.ca) was launched to support improved prevention, detection and treatment of cancer at the new Calgary Cancer Centre. A key focus of this campaign is forming a world-class team of researchers and clinicians who will work collaboratively to decrease cancer incidence, improve outcomes and the patient experience.

Calgary is a city of leaders – in business, community, philanthropy, and volunteerism. Calgarians benefit from numerous cultural and entertainment events, community-oriented neighbourhoods, diversity, excellent infrastructure, health care, education and stability. Calgary is less than an hour's drive from the majestic Rocky Mountains and boasts the most extensive urban pathway and bikeway network in North America.

Qualifications:

The successful candidate will have a PhD in Epidemiology, Population and Public Health, Biostatistics or related health discipline with some experience in a research setting beyond doctoral training. The preferred applicant will have an emerging track record of successful research demonstrated through peer-reviewed publications, research funding commensurate with stage of career, and maturity of their personal strategic research plan. Expectations for the current position include the establishment of a vigorous, sustainable, externally-funded research program (for which up to 75% time will be protected). There is also an expectation that at least 25% of time will be devoted to working collaboratively and productively with operational leaders, clinicians and other care providers to identify and address relevant research questions. In addition, they should have sufficient expertise and experience to utilize fully, or advise on the use of, existing cancer data holdings and other data sources to advance the principles of a learning health system for cancer care. They need to have diverse research skills that may be used in support of development and/or evaluation of new models of cancer care. Finally, the preferred candidate will have an appreciation of and aptitude for conducting cancer health systems science research with the potential to enhance cancer service delivery and outcomes directly. Detailed information about this position and the Department of Cancer Epidemiology and Prevention Research can be found at: https://www.cepr.ca.

Individuals interested in this challenging and rewarding opportunity in a growth-oriented organization should submit an application online at: https://careers.albertahealthservices.ca/jobs/research-scientist-286901
The following documents are required: a cover letter and curriculum vita, a statement of research interests and goals, titles of five important publications that demonstrate research collaborations, and the names and contact information of three referees by May 23, 2022. Direct enquiries regarding this position can be sent to:

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All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents
will be given priority. Alberta Health Services respects, appreciates, and encourages diversity.