

POSTDOCTORAL POSITION IN TUMOR IMMUNOLOGY

Research Project:

A postdoctoral research position is immediately available in the Baker Laboratory to study the dynamics of anti-tumor immune responses in colorectal cancer. Some molecular subtypes of colorectal cancer stimulate the endogenous immune system much more strongly than others and lead to improved patient outcomes. Studying the molecular mechanisms used by these immunogenic cancers is a promising strategy for identifying new therapeutic targets that could boost immune detection of the large majority of colorectal cancers that remain immunologically silent. The successful candidate will use advanced techniques such as orthotopic colorectal cancer mouse models, 3D primary culture of cancer organoids, multidimensional flow cytometry, transcriptomics and genomics to study how colorectal cancers of different molecular subtypes attract, retain and activate different immune cell populations.

Qualifications:

The successful candidate must be a motivated, ambitious and hardworking individual with a keen scientific interest in understanding how cancers interact with the immune system.

Candidates must have following qualifications:

- A PhD in the field of Immunology, Cell Biology or a related discipline that was granted within the last 3 years.
- A good publication record as demonstrated by first-author primary research papers.
- Research experience working with animal models or *in vitro* immunological assays. Additional experience with flow cytometry, transcriptomics and genetics is an asset.
- Be capable of developing and leading multidisciplinary research projects.
- Have excellent organizational and communication skills in spoken and written English.

The position is for an initial period of 2 years (with possibility of extension) at a salary level commensurate with experience and the University guidelines.

To Apply:

Forward a cover letter that outlines your career objectives and why you are a good fit for the project, your CV and contact information for 3 references as a single PDF document to Dr Kristi Baker at kbaker2@ualberta.ca.

Closing date:

This position will remain open until filled.

We thank all applicants for their interest; however, only those individuals selected for an interview will be contacted.

The University of Alberta is committed to an equitable, diverse, and inclusive workforce. We welcome applications from all qualified persons. We encourage women; First Nations, Métis and Inuit; members of visible minority groups; persons with disabilities; persons of any sexual orientation or gender identity and expression; and all those who may contribute to the further diversification of ideas and the University to apply.