

## Postdoctoral Position – Using molecular imaging to investigate and evaluate immunotherapies in a number of cancer models

Dr. Kim Brewer's research group uses a number of molecular imaging technologies, including magnetic resonance imaging (MRI) and positron emission tomography (PET) to investigate immunotherapies in several preclinical cancer models. Research in the lab ranges from development of novel acquisition techniques and analysis tools for molecular imaging to studying and testing novel cancer therapeutics in preclinical models. Our current projects include investigation of immune cell recruitment in an ovarian cancer model and the development of novel imaging biomarkers for immunotherapies in glioblastoma and ovarian cancer. The postdoctoral fellow (PDF) will be expected to work on both of these ongoing projects with other opportunities for developing original projects. We work closely with a number of local Dalhousie University researchers and we currently have collaborations with local pharma company IMV Inc. and with researchers at Ottawa University. Our imaging facility is associated with both the IWK Health Centre and the Nova Scotia Health Authority.

Our research is highly interdisciplinary and the lab has trainees and staff from a number of areas including microbiology and immunology, medical physics, biochemistry and biomedical engineering. All trainees are offered opportunities to develop skills across a wide range of disciplines and be exposed to both academic and industry work. The lab is physically located at the IWK.

### Requirements:

- PhD in a biology related field (Biology, biochemistry, immunology, biomedical engineering, etc.) is required
- Previous experience in cell biology/biochemistry/immunology/animal models/tissue culture
- Willingness to work with preclinical models (primarily mice and rats)
- Basic immunological and histological techniques such as flow cytometry and immunofluorescent staining are beneficial
- Experience in advanced computing such as non-Windows computer environments are advantageous but not required.

### If interested please contact me and include:

- CV
- Brief summary of previous work experience
- Potential start dates

Contact me at [brewerk@dal.ca](mailto:brewerk@dal.ca)

Hours: 37.5 week, salary range available on discussion