Postdoctoral Position (in partnership with IMV Inc.) – Using molecular imaging to investigate and evaluate immunotherapies

Dr. Kim Brewer is a part of the Biomedical Translational Imaging Centre (BIOTIC) located in Halifax, NS. BIOTIC is associated with both the IWK Health Centre and the Nova Scotia Health Authority. Dr. 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 study of a novel immunotherapy, investigation of immune cell recruitment in an ovarian cancer model and the development of novel imaging biomarkers for immunotherapies in glioblastoma and ovarian cancer.

IMV Inc., founded in 2000, is a clinical stage biopharmaceutical company dedicated to making immunotherapy more effective, more broadly applicable, and more widely available to people facing cancer and other serious diseases (https://imv-inc.com/). IMV is pioneering a new class of immunotherapies based on the Company's proprietary drug delivery platform, DPX™. Patented DPX technology leverages a novel mechanism of action that enables the programming of immune cells in vivo, which are aimed at generating powerful new synthetic therapeutic capabilities.

Dr. Brewer is currently recruiting a postdoctoral fellow (PDF) to work on projects with our industry partner IMV. The PDF will be expected to work on both of these ongoing projects with other opportunities for developing original projects. This project has MITACS funding for 6 months with option to continue on solely in Dr. Brewer's lab or continue work with IMV.

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 and the PDF will be expected to spend time at both BIOTIC and IMV (located in Dartmouth, NS).

Requirements:

- PhD in a biology related field (Biology, biochemistry, immunology, biomedical engineering, etc.) is preferred
- 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

Hours: 37.5 hours/week Mon-Fri, salary range available on discussion,
Term Position with possibility of renewal