

PROJECT TITLE

Comprehensive, Longitudinal Evaluation of Prostate Imaging Biomarkers Post Radiation (CLIMBER)



PRINCIPAL INVESTIGATOR

Dr. Glenn Bauman – Lawson Health Research Institute

SCIENTIFIC SUMMARY

New imaging techniques provide insights into localizing and tracking prostate cancer in men throughout diagnosis and treatment. This project will investigate the value of tracking imaging changes before and after treatment to predict longer-term cancer control. An imaging scan will be done prior to treatment and then be used for planning radiation treatments to deliver more intensive doses to spots of cancer within the prostate and/or regional lymph nodes identified by imaging. Baseline and post-treatment changes in multi-modal imaging biomarker measurements will be analyzed for correlation with five-year disease-free survival to identify potential non-invasive imaging biomarkers that may serve as early indicators of long term disease control.