

BCHM 421/422 Project Outline – 2021/2022

Project Outline #2: PSA is a poorly performing test for detecting and managing prostate cancer. We have developed a methylation based blood test that is able to both follow tumour load and predict outcomes. This will be a powerful tool for better managing prostate cancer patients in a timely and appropriate manner.

Supervisor: Christopher Mueller

Project Title: A blood test for Prostate Cancer, replacing PSA

Project Goals: Advance the development of this test by analyzing patient samples from the community and optimizing aspects of the test.

Experimental Approaches: Circulating tumour DNA, targeted PCR, Next Generation Sequencing

References: <https://www.ncbi.nlm.nih.gov/pubmed/28410618>