

## **BCHM 421/422 – 2019/2020**

**Project Outline:** 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>