

BCHM 421/422 – 2018/2019

Project #2 Outline: Pancreatic cancer has one of the highest mortality rates principally because it is diagnosed late and is often concealed by pancreatitis. We have developed a number of other blood tests based on DNA methylation for other cancers and wish to apply this same technique to pancreatic cancer.

Supervisor: Christopher Mueller

Project Title: A blood test for Pancreatic Cancer

Keywords (3-5):

1. **Blood Test**
2. **Liquid Biopsy**
3. **Pancreatic cancer**
4. **DNA methylation**
5. **Translational**

Project Goals: Create a clinically applicable liquid biopsy for pancreatic cancer.

Experimental Approaches: Bioinformatic analysis of genomic methylation data. Creation and validation of multiplex probes for target regions. Next Generation Sequencing and analysis.

References:

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5064029/>