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/