# Research Question:

How can we leverage Machine Learning for Automated HER2 Scoring in Breast Cancer Pathology?

# Outline:

## 1. Introduction

### 1.1 Motivation

This is a problem worth solving

### 1.2. RQs

### 1.3 Overview of the dissertation

## 2. Literature Review

### 2.1 LLMs

There is something such as LLMs

### 2.2 Leveraging LLMs

We can (potentially) leverage LLMs (in a cancer/medical setting)

### 2.3 Head and Neck Cancer

There is something such as head and neck cancer

### 2.4 Cancer treatment plans

There are (head and neck) cancer treatment plans

### 2.5 State of the Art

This problem hasn’t been conclusively solved, however, here are solutions that are related to what I am doing