

# Project Plan

**Project Name** Develop new methods to analyse functional magnetic resonance for brain function

**Project Supervisor** Karen Mullinger

## Aims

Use acquisition techniques on python software interface to analyse the post-stimulus response in BOLD data and distinguish if the post-stimulus response is found where the primary positive response is not.

## Objectives

- 1) Understand how general linear models (GLMs) work by creating a simplified version using BOLD data for 1-3 subjects
- 2) Extract and plot time course and find the timings of the post-stimulus response relative to stimulus onset
- 3) Create a regressor which only models the post-stimulus response and analyse the post-stimulus response time window

## Key equipment and techniques

Use of python

## Project timeline and distribution

