

CGA/18/32 - Proof of concept for growing and detecting circulating tumour cells from squamous carcinomas

This proposal will explore the idea that cells from a cancer patient's blood could be used to decide what is the best treatment for them. We propose to try and grow the cells outside of the body using conditions mimicking the cancer environment. If successful, the cells will be exposed to different drugs in a small chip to see how they respond to them. If the cells die in response to the drug which kill cancer in patients, this may lead to the start of the development of a new precision cancer medicine diagnostic device for use in NHS cancer clinics.