

Project title	How does chemotherapy work? A focus on the immune system
Recipient	Ms Rasa Islam
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Research description	<p>Chemotherapy is a widely used treatment for cancer, however it does not work in every patient or in every type of cancer. Even patients with the same type of cancer can respond differently to treatment: some people are completely cured while others do not experience any effect. Why this is the case is not fully understood. Determining what is needed for a patient to successfully be treated by chemotherapy could lead to the discovery of markers indicating whether a patient will benefit from chemotherapy or increase their chances of responding to it.</p> <p>This project will investigate whether the presence or absence of immune cells in the tumour determine an effective chemotherapy response. The project will investigate whether cancer cells are more sensitive to chemotherapy if there are immune cells around, using tumour samples from laboratory animals that do or do not have immune cells, and that have been treated with chemotherapy.</p>
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