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## Biography

I am pursuing my dream career of working in cancer research to develop improved methods of detection and treatment for one of the world's deadliest diseases. I joined Dr. Christine Schmidt's lab at the Manchester Cancer Research Centre in 2019 to begin my PhD project, developing cellular micromotors for improved management of ovarian cancer. Prior to this I obtained a first class integrated Master's degree in Pharmacology from The University of Manchester in 2019. For my final year project I worked in Prof. Stuart Allan's lab investigating the mechanisms of inflammation in vascular dementia.

## Education

### Doctor of Philosophy, PhD Cancer Sciences 4yr (CanSci)

Division of Cancer Sciences  
The University of Manchester  
21 Aug 2019 → present

## Qualifications

Master of Science, The University of Manchester  
1 Sep 2015 → 31 Jul 2019  
Award Date: 15 Jul 2019

## Methodological knowledge

During my Master's degree I gained substantial experience of *in vitro* methodologies including tissue culture, Western blotting and enzyme-linked immunosorbent assays (ELISA). I also gained my Home Office personal licence for rats and mice. During my PhD project I will gain many more multidisciplinary techniques, including tissue culture using primary cells, multiple state-of-the-art imaging techniques, immunohistopathology and *ex vivo/in situ* work with mouse tissue.

## Research interests

My PhD project focuses on the development of cellular micromotors for improved management of ovarian cancer. I am also interested in improved management of cancer in general, concerning earlier and improved diagnosis, targeted drug delivery methods and personalised medicine. I am also interested in research concerning the racial and socioeconomic disparities in the treatment and outcome of patients and what can be done to close these gaps.

## Social responsibility

As someone passionate about social responsibility, I am a member of the Oglesby Cancer Research Building's Green Impact Team. I have also previously volunteered on the university campus at a student-run charity shop.

## Prizes and awards

During my undergraduate Master's degree I won a competitive bursary of £200 awarded by the University to attend and present my work at the 2019 British Conference of Undergraduate Research.