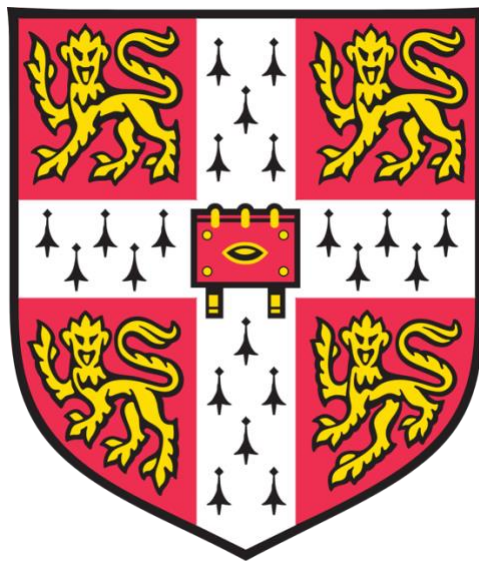


**Modelling the interactions of Salmonellae  
with the human host using stem cell-derived  
intestinal organoids and macrophages**



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This dissertation is submitted for the degree of Doctor of Philosophy

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## **Declaration**

This dissertation is the result of my own work and includes nothing which is the outcome of work done in collaboration except as declared in the introduction and specified in the text of each chapter.

It is not substantially the same as any work that I have submitted, or, is being concurrently submitted for a degree or diploma or other qualification at the University of Cambridge or any other University or similar institution except as declared in the Preface and specified in the text. I further state that no substantial part of my dissertation has already been submitted, or, is being concurrently submitted for any such degree, diploma or other qualification at the University of Cambridge or any other University or similar institution except as declared in the Preface and specified in the text

It does not exceed the prescribed word limit for the Biology Degree Committee.

*Emily Ann Lees*

August 2019