

Potential Supervisors

[Professor Ruth Baker](#)



I am a Professor of Applied Mathematics at the Mathematical Institute, University of Oxford, and a Tutorial Fellow in Mathematics at St Hugh's College. I am also a Royal Society Wolfson Research Merit Award Holder and a Leverhulme Research Fellow.

I'm a member of the Wolfson Centre for Mathematical Biology and I lead the Quantitative Developmental Biology Group, whose focus is on developing and applying mathematical and computational methodologies to further our understanding of key developmental and cell biology

processes.

Software Tools Developed

[Cell-based Chaste](#) - a multiscale computational framework for modelling cell populations

[IbNumericsPaper](#) – Immersed Boundary Method model in cell-based Chaste

[MCSTracker](#) - cell tracker for epithelia

Involvement of DTC Students

[Jochen Kursawe](#)

[Fergus Cooper](#)

[Gabriel Rosser](#)

Industrial links

Roche