

Fully Funded Doctoral Studentship Computational Cardiology

Student fee status: Home

Supervisor: Professor Blanca Rodriguez

Start Date: October 2025

The Department of Computer Science at the University of Oxford is offering **one** fully funded DPhil studentship for home students in the Computational Biology and Health Informatics theme under the supervision of Professor Blanca Rodriguez, to commence next academic year (October 2025).

The successful applicant will join the Computational Cardiovascular Science team, an internationally-leading research group at the interface of Computer Science, Cardiology and Drug Development with close collaborations with clinicians and industry partners. The successful candidate will have the opportunity to collaborate with other members of the team, of the department and collaborators. The DPhil project will be in the area of Computational Cardiology, and more specifically the virtual evaluation of therapies through [in silico clinical trials](#) using [human-based modelling and simulation](#) and [Cardiac Digital Twins](#), in combination with experimental and clinical data for specific disease conditions.

The studentship will provide an annual stipend (at the UKRI rate) at least £19,237 per annum for 3.5 years (42 months). The studentship will also cover the costs of course tuition fees **at Home level**. Research students in the Department of Computer Science are also provided with a fund for travel to conferences and workshops (subject to approval).

Applicants must satisfy the usual requirements for studying for a doctorate at Oxford, and apply online by **Wednesday 30 April 2025** via the [DPhil in Computer Science](#), quoting studentship reference **25-CS-CC**. Candidates are expected to have a strong computational and/or mathematical background, with undergraduate studies in Computer Science, Engineering, Physics, Mathematics or related disciplines. Candidates must also have good writing, communication and presentation skills (see the University's web pages on the [DPhil in Computer Science](#) for details).

For further information about the studentship or the application process, please e-mail [Computer Science Graduate Admissions](#).