

Several PhD studentships available within the  
**C3Bio Doctoral Training Initiative: *Grand Challenges in Health Technologies***

The Centre for Biosensors, Bioelectronics and Biodevices (C3Bio – [www.bath.ac.uk/c3bio](http://www.bath.ac.uk/c3bio)) at the University of Bath gathers over 75 researchers from engineering, physical, life and social sciences. The Centre develops technology that improves biomedical diagnosis, environmental monitoring, industrial bioprocesses and scientific understanding of biological functions; it bridges the gap between different disciplines converging into fit-for-purpose devices in order to achieve real-life impact with its research.

In this Doctoral Training Initiative a small cohort of PhD students from different disciplines will be working on interlinked projects within the 2019 Grand Challenge of "**Disease diagnosis for low-resource settings**". The C3Bio DTI will provide a multidisciplinary cohort training environment with a focus on achieving real-life impact of the research.

The studentships available for the 2019 Grand Challenge include:

**[Diagnostic Sensors for HIV Management in Low-Resource Settings](#)**

Lead Supervisor: Dr Pedro Estrela (Dept Electronic & Electrical Engineering) – [p.estrela@bath.ac.uk](mailto:p.estrela@bath.ac.uk)  
Co-Supervisors: Dr Despina Moschou (Dept Electronic & Electrical Engineering); Prof Mark Lindsay (Dept Pharmacy & Pharmacology)

**[Smart traps for Chagas Disease: Employing microfluidics and machine learning to develop kissing bug traps for use throughout Latin America](#)**

Lead Supervisor: Dr Nicholas K. Priest (Dept Biology & Biochemistry) – [n.priest@bath.ac.uk](mailto:n.priest@bath.ac.uk)  
Co-Supervisors: Dr Stefan Bagby (Dept Biology & Biochemistry); Dr Despina Moschou (Dept Electronic & Electrical Engineering); Dr Ben Adams (Dept Mathematical Sciences); Prof Sam Sheppard (Dept Biology & Biochemistry)

**[Globally accessible diagnostic microscopy: Creating locally producible, automated microscopes to improve available diagnostics](#)**

Lead Supervisor: Dr Richard Bowman (Dept Physics) – [r.w.bowman@bath.ac.uk](mailto:r.w.bowman@bath.ac.uk)  
Co-Supervisor: Dr Neill Campbell (Dept Computer Science)

In order to apply, please send a cover letter, CV, degree transcripts and 2 reference letters by email to the lead supervisor of the project with the subject "C3Bio DTI application".

**Deadline: 10 January 2019.**

The selected students are expected to start their PhDs on the 30<sup>th</sup> September 2019.

Studentships available only to UK/EU candidates.