



Title of PhD project / theme	Is it possible to design a protective vaccine against Chagas disease?
Supervisory team	<p>John M. Kelly Professor of Molecular Biology Department of Pathogen Molecular Biology Faculty of Infectious and Tropical Diseases London School of Hygiene and Tropical Medicine, TEL: 0207-927-2330 E-MAIL: john.kelly@lshtm.ac.uk</p> <p>Kenji Hirayama, MD, PhD. Dean and Professor of Immunogenetics Institute of Tropical Medicine (NEKKEN) Nagasaki University 1-12-4 Sakamoto, Nagasaki 852-8523 Japan Phone: +81-95-819-7818 Mobile: +81-80-1545-1762 Email: hiraken@nagasaki-u.ac.jp</p> <p>Kiyoshi Kita (Nagasaki) Katsuyuki Yui (Nagasaki)</p>
Brief description of project / theme	The aim of the project is to assess the effectiveness of vaccine candidates against Chagas disease, which is caused by infection with the protozoan parasite <i>Trypanosoma cruzi</i> . Our strategy will exploit the complementary expertise of the collaborating teams. It is planned that the student will be based in Nagasaki for screening and preliminary assessment of candidates, and will then spend time in London, training with animal models, gaining expertise in bioluminescence imaging, and testing vaccine efficacy.
Particular <i>prior</i> educational requirements for a student undertaking this project	Parasitology/Microbiology Immunology Molecular Biology Statistics
Skills we expect a student to develop/acquire whilst pursuing this project	Vaccinology Molecular immunology Molecular Parasitology Bioinformatics Product development skills