



長崎大学
NAGASAKI UNIVERSITY

LONDON
SCHOOL of
HYGIENE
& TROPICAL
MEDICINE



Title of PhD project / theme	Malnutrition, diabetes, social protection and health service delivery in TB programmes
Supervisory team	<p>Sharon Cox (Nagasaki)</p> <p><i>Depending on the nature of the selected project the supervisory team will also include 1 or more of the following academic staff:</i></p> <p>LSHTM: Dr Tansy Edwards, Prof Anna Vassal, Dr Yoko Laurence, Dr Dr Elaine Ferguson, Prof David Moore (LSHTM), Dr Mishal Khan</p> <p>Nagasaki: Prof Koya Ariyoshi, Dr Miho Sato, Dr Chris Smith</p>
Brief description of project / theme	<p>TB is a disease of poverty. Malnutrition is both a cause and consequence of active TB disease, whilst both malnutrition and TB can contribute to a downward cycle of poverty in TB affected households. Diabetes is also a risk factor for active TB disease and increases risk of poor treatment outcomes. We are interested in better understanding the causes and effects of malnutrition (focussing on protein-energy malnutrition) in TB in order to design interventions to prevent and treat malnutrition, effectively manage diabetes and alleviate risk of household catastrophic costs, increase adherence to anti-TB drug regimens and improve TB treatment outcomes.</p> <p>Opportunities exist to conduct research projects in adult or pediatric TB patients within ongoing or new studies in the Philippines, or possibly other countries in the region, and include, but are not limited to, the areas outlined below:</p> <ol style="list-style-type: none"> 1. Development and testing of dietary or other interventions for the prevention and treatment of severe acute malnutrition in TB outpatients or acutely unwell inpatients. 2. Risk of catastrophic household costs in TB patients and the effect of co-morbid diabetes or malnutrition 3. mHealth interventions in TB
Particular <i>prior</i> educational requirements for a student undertaking this project	<p>Experience of clinical infectious diseases and training in epidemiology would be advantageous but are not essential. In addition, depending on the exact interests and background of students, experience in one of the following is highly desirable:</p> <ul style="list-style-type: none"> • Management of malnutrition, as a clinical dietitian or in dietary assessment. • Health economics or health services research
Skills we expect a student to develop/acquire whilst pursuing this project	Field epidemiology, data management and analysis and more specialised skills depending on the nature of the final project.