BRITISH COUNCIL

Newton Fund

# INSTITUTIONAL LINKS

www.britishcouncil.org

international unit

## Grants Awarded: Newton Institutional Links – October 2014 call

**Eligible partner countries:** Brazil, Chile, Colombia, Egypt, Indonesia, Kazakhstan, Malaysia, Mexico, Philippines, South Africa, Turkey, Vietnam

- **Total eligible applications – 323**
- **Funded applications – 90 (28%)**

| Partner Country | Title of Project | UK institution | Partner institution | Review Panel |
|---|---|---|---|---|
| Brazil | Structure and Function of Odorant Binding Proteins from Helicoverpa armigera | University of Nottingham | Federal University of Alagoas - UFAL | Environment, Agriculture and Food Sciences Review Panel |
| Brazil | Discovery of novel antimicrobials from the rumen microbiota for animal and human health | Aberyswyth University | Universidade Federal de Vicosa | Biological and Medical Sciences Review Panel |

| | | | | |
|---|---|---|---|---|
| Brazil | TRANSTAR: A Transatlantic Target-Based Drug Discovery Platform | University of Nottingham | National Center for Research in Energy and Material (CNPEM) | Biological and Medical Sciences Review Panel |
| Brazil | Knowledge Hub on Adaptation to Climate Change in Brazil | International Institute for Environment and Development (IIED) | Fundação Getúlio Vargas | Environment, Agriculture and Food Sciences Review Panel |
| Brazil | Preparedness for novel virus emergence from wild birds and bats: metagenomics-driven viromes and understanding innate immunity | The Pirbright Institute | Institute of Biomedical Science, University of Sao Paulo | Environment, Agriculture and Food Sciences Review Panel |
| Brazil | Using systems biology to improve feed conversion efficiency, lower the environmental impact and increase the profitability of beef production | Aberyswyth University | Universidade Federal de Viçosa | Environment, Agriculture and Food Sciences Review Panel |
| Brazil | Water Environment Micropollutant Science Initiative: A GCU-UFABC-PUCPR Collaborative to explore emergent pollutants in Brazilian watercourses. | Glasgow Caledonian University | Universidade Federal do ABC - UFABC | Engineering and Physical Sciences Review Panel |
| Brazil | Sickle Cell Disease - Environmental and Genetic Factors influencing Clinical Outcome | King's College London | UNICAMP (Universidade Estadual de Campinas) | Biological and Medical Sciences Review Panel |
| Chile | Development and validation of an innovative methodology for assessing rural landscapes of the region of Valparaiso (Chile) based on ecological, economic and socio-cultural variables | Newcastle University | Pontificia Universidad Católica de Valparaíso | Social Sciences Review Panel |

| | | | | |
|---|---|---|---|---|
| Chile | Tackling the complexity of Green Economy initiatives via Participatory Innovation methods: Two pilot dialogues in Chile and the UK | International Institute for Environment and Development (IIED) | Pontificia Universidad Católica de Valparaíso | Social Sciences Review Panel |
| Chile | ConSIST Collaboratory - CHile Scotland ISotope Collaboratory | University of Aberdeen | Centro de Estudios Avanzados en Zonas Áridas | Environment, Agriculture and Food Sciences Review Panel |
| Colombia | Harnessing innovation in city development for social equity and wellbeing - a critical proposal to build on Medellin's experience as a model for Colombian future cities | University of Edinburgh | Universidad Nacional de Colombia Sede Medellin | Social Sciences Review Panel |
| Colombia | Linking the power of -omic technologies to translational research on neglected tropical diseases. | University of Glasgow | Centro Internacional de Entrenamiento e Investigaciones Medicas, CIDEIM | Biological and Medical Sciences Review Panel |
| Colombia | Drugs production, rural development and the search for peace in Colombia | London School of Economics and Political Science | Universidad de los Andes | Social Sciences Review Panel |
| Colombia | Sustainable Supply Chain Management in the Colombian Agricultural Sector | University of Exeter | Universidad de los Andes | Social Sciences Review Panel |
| Colombia | Tools, Training and Networks to Reduce Malaria Burden in the Pacific coast of Colombia | Wellcome Trust Sanger Institute | Universidad Nacional de Colombia | Biological and Medical Sciences Review Panel |

| | | | | |
|---|---|---|---|---|
| Colombia | Novel accelerators for low-cost portable x-ray sources. | University of Strathclyde | Universidad Industrial de Santander | Engineering and Physical Sciences Review Panel |
| Colombia | CAFÉS (Coffee from Advanced Fermentation, Engineering & Sensing): Smart Sensing and Processing from 'Crop to Cup' to increase the Sustainability of Smallholder Coffee Producers | The University of Manchester | Universidad de Los Andes | Environment, Agriculture and Food Sciences Review Panel |
| Egypt | Chromosomal Break Repair in Health and Disease | University of Sheffield | Zewail City for Science and Technology | Biological and Medical Sciences Review Panel |
| Egypt | A Novel, Low Cost, Urinary Diagnostic Test for Liver Cancer Screening | 10th Floor QEQM Wing, St Mary's Hospital Campus, Imperial College, London | National Liver Institute | Biological and Medical Sciences Review Panel |
| Egypt | Quantum Dots Synthesized Solar Cells (QDSSCS) | The University of Nottingham | South Valley University | Engineering and Physical Sciences Review Panel |
| Egypt | Detection and Assessment of Liver fibrosis Using Magnetic Resonance Imaging | King's College London | Nile University | Engineering and Physical Sciences Review Panel |
| Egypt | Presence in the Past: Preservation of Egyptian maritime archaeological sites through 3D digital modelling and Virtual Reality presentation in the laboratory for modern day exploration of lost heritage | University of Nottingham | Ain Shams University | Arts and Humanities Review Panel |

| | | | | |
|---|---|---|---|---|
| Egypt | Collaborative programme involving the Universities of Coventry and Cairo to support the development of pharmaco-economic's knowledge, skills and expertise in Egypt | Coventry University Higher Education Corporation | College of Pharmacy, Cairo University | Social Sciences Review Panel |
| Egypt | Development of Next-Generation Screen-Printed Electrochemical Sensors/biosensors to Provide Substantial Benefits in their Performance utilised in Biomedical, Environmental, and Industrial Analyses | Manchester Metropolitan University | Faculty of Science, Sohag University | Engineering and Physical Sciences Review Panel |
| Egypt | Sustainable Energy - Adaptable Lifelong Learning Centre (SE-ALL) | Cardiff University | Faculty of Engineering Ain Shams University | Engineering and Physical Sciences Review Panel |
| Egypt | Heritage Building Information Modelling and Smart Heritage Building Performance Measurement for Sustainability | University of the West of England, Bristol | British University Of Egypt BUE | Social Sciences Review Panel |
| Indonesia | What happens to the family when women migrate? An international collaborative programme on the impact of female international migration on poverty, children, elderly, spouse and fertility in East Java | University of Portsmouth | University of Brawijaya | Social Sciences Review Panel |
| Indonesia | Forest Fruit and Rural Nutrition (FFARN) Bangor-Mulawarman Joint Programme | Bangor University | Mulawarman University | Environment, Agriculture and Food Sciences Review Panel |
| Indonesia | Indonesian Marine Energy - Network Ignition | Robert Gordon University | Institut Teknologi Sepuluh Nopember (ITS) | Engineering and Physical Sciences Review Panel |

| | | | | |
|---|---|---|---|---|
| Indonesia | Improvement of energy and environmental sustainability in marine transportation system through understanding and management of bio-fouling in wall-bounded turbulence | University of Southampton | Institut Teknologi Sepuluh Nopember (ITS) | Engineering and Physical Sciences Review Panel |
| Kazakhstan | A multi-dimensional environment-health risk analysis system for Kazakhstan | Brunel University London | Shokan Ualikhanov Kokshetau State University | Environment, Agriculture and Food Sciences Review Panel |
| Kazakhstan | Local Content Impact: Economic Development, Technology and Entrepreneurship in Kazakhstan's Energy Value Chain - Developing a Centre for Competitiveness in Kazakhstan. | University of Reading | Kazakh-British Technical University | Social Sciences Review Panel |
| Kazakhstan | The Macroeconomic Effects of Health Policy Reforms in Kazakhstan | London School of Economics and Political Science | Economic Research Institute | Social Sciences Review Panel |
| Kazakhstan | Climate Change, Water Resources and Food Security in Kazakhstan | The University of Reading | Institute of Geography MES Republic of Kazakhstan | Environment, Agriculture and Food Sciences Review Panel |
| Kazakhstan | Development and study of tandem perovskite/silicon heterostructure solar cells | Swansea University | Institute of Physics and Technology, LLP | Engineering and Physical Sciences Review Panel |
| Kazakhstan | KazRAM: an Inexpensive Portable Raman Spectrometer for Rapid Materials Characterisation | University of Cambridge | Sarsen Amanzholov East Kazakhstan State University | Environment, Agriculture and Food Sciences Review Panel |

| | | | | |
|---|---|---|---|---|
| Kazakhstan | Developing water resources management in southern Kazakhstan to mitigate the societal impacts of rapid climate change | Aberystwyth University | LLP 'Institute of Geography' JSC 'NSTH, Parasat' | Environment, Agriculture and Food Sciences Review Panel |
| Kazakhstan | Collaboration between Faculty of Education, University of Cambridge, and Graduate School of Education, Nazarbayev University, to examine school students' well-being and engagement | University of Cambridge | Nazarbayev University | Social Sciences Review Panel |
| Malaysia | Development of a remote and efficient water quality monitoring system for tropical urban source water | The University of Manchester | Swinburne University Sarawak Campus | Engineering and Physical Sciences Review Panel |
| Malaysia | Future Cities: Science to Action for Building Resilience of Urban Communities to Climate Induced Physical Hazards | University of Cambridge | Universiti Kebangsaan Malaysia | Engineering and Physical Sciences Review Panel |
| Malaysia | Development of Integrated Wave Energy and Oceanic Macro Algae Farming Platform | University of Greenwich | University Malaysia Terengganu | Engineering and Physical Sciences Review Panel |
| Malaysia | Assessing the risk of emerging microbes during vaccine implementation and climate change through population-based carriage studies of the upper respiratory tract in all age groups | University of Southampton | Universiti Sains Malaysia | Biological and Medical Sciences Review Panel |
| Malaysia | Integrated water resources management & planning system in Malaysia: effect of climatic change and precipitation on the supply side | Heriot-Watt University | University of Malaya | Engineering and Physical Sciences Review Panel |

| | | | | |
|---|---|---|---|---|
| Malaysia | Death and disability: the vulnerability of older people in Malaysia to urbanisation and climate change. | University of Liverpool | University of Malaya | Biological and Medical Sciences Review Panel |
| Malaysia | Electrochemical Routes towards Sustainability: CO2 Capture and Utilization | Queen's University Belfast | University of Malaya | Engineering and Physical Sciences Review Panel |
| Malaysia | Molecular Processing via Enzymatic Transformations of Biomass By-products: A UK-Malaysia Knowledge Transfer Programme for Biocatalysis. | University of Manchester | Universiti Malaya | Engineering and Physical Sciences Review Panel |
| Malaysia | Enhancing environmental resilience & energy security by developing efficient novel methods for converting palm oil waste to biodiesel and fertiliser | University of Hull | Universiti Malaysia Sabah | Engineering and Physical Sciences Review Panel |
| Malaysia | Smart Agriculture with Intelligent Transportation System for Sustainable Future Cities | University of Strathclyde | Universiti Tunku Abdul Rahman | Engineering and Physical Sciences Review Panel |
| Malaysia | Cost-Effective Partial Replacement of Unsustainable Protein and Lipid in Aquafeeds using Insects and Underutilised Crops in an Integrated Agricultural System with Socio-Economic Benefits | University of Nottingham | Crops For The Future | Environment, Agriculture and Food Sciences Review Panel |
| Malaysia | Assessment of offshore engineering skills, ecological knowledge and maritime governance required for large-scale seaweed farming in UK and Malaysian waters | University of Hull | Universty Malaysia Terengganu | Environment, Agriculture and Food Sciences Review Panel |

| | | | | |
|---|---|---|---|---|
| Malaysia | Evaluating and predicting nutrients availability from biowaste using sensor and cloud technology to meet crop demands in Malaysia | Cranfield University | University of Malaya | Environment, Agriculture and Food Sciences Review Panel |
| Malaysia | Towards safer future cities from climate-induced extreme weather events through a resilient built environment in Malaysia | School of the Built Environemnt | Universiti Tun Hussein Onn Malaysia | Environment, Agriculture and Food Sciences Review Panel |
| Malaysia | Ubiquitous optical sensors for environmental monitoring: impacting climate change | City University London | University of Malaya | Engineering and Physical Sciences Review Panel |
| Malaysia | Development of low cost supercapacitor based solar energy for rural areas. | The University of Nottingham | Universiti Putra Malaysia | Engineering and Physical Sciences Review Panel |
| Malaysia | Building local capacity in understanding, analyzing and visualizing big data in Malaysian cities in Malacca | Future Cities Catapult Limited | Institut Sultan Iskandar - Universiti Teknologi Malaysia (ISI-UTM) | Engineering and Physical Sciences Review Panel |
| Malaysia | A new research network to study animal-plant interactions in urban environments | Queen Mary University of London | University of Malaya | Environment, Agriculture and Food Sciences Review Panel |
| Malaysia | Printed solar modules for large area roof applications | Loughborough University | Universiti Teknologi Malaysia | Engineering and Physical Sciences Review Panel |

| | | | | |
|---|---|---|---|---|
| Malaysia | SuLeD-BIM: Sustainability-Led Design through Building Information Modelling | University of Manchester | University of Malaya | Engineering and Physical Sciences Review Panel |
| Malaysia | Public Health Intelligence Network for Dengue Surveillance in Malaysia | University of Nottingham | University of Malaya | Biological and Medical Sciences Review Panel |
| Malaysia | Development of the Incremental SI(Structure and Infill) Housing for Low-income Population in Malaysia | Northumbria University | Universiti Teknologi Malaysia | Engineering and Physical Sciences Review Panel |
| Malaysia | Research and development of grid-connected distributed energy storage as a means of ancillary services for the network regulation | The University of Newcastle upon Tyne | Universiti Tunku Abdul Rahman | Engineering and Physical Sciences Review Panel |
| Malaysia | Integrating Algal Biophotovoltaics for Bioelectricity Production with Agro-industrial Wastewater Remediation Using Tropical Algae | University of Cambridge | University of Malaya | Environment, Agriculture and Food Sciences Review Panel |
| Malaysia | Technology for offshore cultivation of tropical seaweeds for the production of aviation fuel | The University of Nottingham | University of Malaya | Engineering and Physical Sciences Review Panel |
| Mexico | Technology Platform for self-management of health and disease through mobile applications | Anglia Ruskin University | Universidad de Colima | CONACYT |
| Mexico | UK-MEX CARBON CAPTURE USE AND STORAGE RESEARCH AND DEVELOPMENT | University of Aberdeen | Instituto de Investigaciones Electricas | CONACYT |

| | | | | |
|---|---|---|---|---|
| Mexico | Research and innovation for the production and use of non-toxic Jatropha in the tropics | University of Greenwich | Instituto Nacional de Investigaciones Forestales Agrícolas y Pecuarias | CONACYT |
| Mexico | Design and Analysis of Flood Pulse, Monitoring Water and Environmental Management System | Cranfield University | Universidad Juárez Autónoma de Tabasco | CONACYT |
| Mexico | Research / Sustainable Development project oriented towards agricultural sector in the State of Veracruz | University of Oxford | Instituto de Ecologia | CONACYT |
| Mexico | Wastewater treatment "disposal of metal ions" | Cranfield University | Centro de Tecnología Avanzado | CONACYT |
| Mexico | Genetic management of Mexican tilapia germ plasm. | University of Stirling | Universidad Michoacana de San Nicolas de Hidalgo., | Environment, Agriculture and Food Sciences Review Panel |
| Mexico | Massive Multiple Input Multiple Output (MIMO) in Vehicular Ad Hoc Networks (VANETs) Acronym: MIMO in VANETs | Loughborough University | Universidad de Colima | Engineering and Physical Sciences Review Panel |
| Mexico | A study of cellular immune responses in humans against dengue virus (DENV) to inform a novel vaccine development | University of Oxford | Instituto Tecnologico y de Estudios Superiores de Monterrey Campus Cd de Mexico | Biological and Medical Sciences Review Panel |

| | | | | |
|---|---|---|---|---|
| Mexico | Regional Climate projections Initiative Mexico-United Kingdom (RECLIM-UK) | UNIVERSITY OF OXFORD | Universidad Autónoma de México | Engineering and Physical Sciences Review Panel |
| Philippines | Low skills work in a smart city: Supporting capacity development for research into tourism employment in Glasgow and Manila | The University of Strathclyde | University of the Philippines | Social Sciences Review Panel |
| Philippines | SUSTAINABLE CITIES AND RESILIENT TRANSPORT | University of Oxford | De La Salle University | Engineering and Physical Sciences Review Panel |
| Philippines | COnserving Philippine bIOdiversity by UnderStanding big data (COPIOUS): Integration and analysis of heterogeneous information on Philippine biodiversity | University of Manchester | University of the Philippines Manila | Engineering and Physical Sciences Review Panel |
| Philippines | PULP-SEED (Philippines UK coLlaborative Partnership-System for Environmental and Efficient Drying) | Coventry University | University of San Carlos | Environment, Agriculture and Food Sciences Review Panel |
| South Africa | Microfluidic System for Water Quality Monitoring in Resource Poor Environments | The University of Hull | Council for Scientific and Industrial Research (CSIR) | Engineering and Physical Sciences Review Panel |
| Turkey | Organic solar cells incorporating small molecule donors and polymeric acceptors | Imperial College London | Istanbul Technical University | Engineering and Physical Sciences Review Panel |
| Turkey | Collaborative Research on Harnessing Renewable Energy Sources for Communications | Imperial College London | Sabanci University | Engineering and Physical Sciences Review Panel |

| | | | | |
|---|---|---|---|---|
| Turkey | Investigating the therapeutic potential of DNA aptamers developed against a virulence protease of pathogenic Streptococcus pyogenes | Imperial College London | Ege University | Biological and Medical Sciences Review Panel |
| Turkey | Development of Extremely-Thin-Absorber CdTe Solar Cells with High Efficiency (DETACELL) | Glyndŵr University | Middle East Technical University | Engineering and Physical Sciences Review Panel |
| Turkey | Assessment of the potential impacts of harvesting the copepod Calanus euxinus from the Black Sea considering a range of additional environmental pressures, using a 'state of the art' coupled hydrodynamic-ecosystem model. | National Oceanography Centre | Dokuz Eylül University | Environment, Agriculture and Food Sciences Review Panel |
| Vietnam | Towards an evidence based National Action Plan on Antimicrobial Resistance in Vietnam | University of Oxford | National Hospital for Tropical Diseases | Biological and Medical Sciences Review Panel |
| Vietnam | Advanced electrochemical Method for treat ment and metal recycling of indusrial waste | University of Newcastle | School of Chemical Engineering, Hanoi University of Science and Technology | Engineering and Physical Sciences Review Panel |
| Vietnam | Understanding the drivers of the endemic circulation of influenza A viruses in Vietnam for improving poultry smallholders welfare | Royal Veterinary College | National Institute of Animal Science | Environment, Agriculture and Food Sciences Review Panel |
| Vietnam | Building a foundation for sustainable development: Networked societies for the cities of tomorrow | Queen's University Belfast | Duy Tan University | Engineering and Physical Sciences Review Panel |

| | | | | |
|---|---|---|---|---|
| Vietnam | Development of Advanced Bioinformatics Capabilities for next-generation rice genomics in Vietnam | The Genome Analysis centre | Agricultural Genetics Institute | Biological and Medical Sciences Review Panel |
| Vietnam | UK-Vietnam institutional link in digital innovation for sustainable maritime logistics in Vietnam | Liverpool John Moores University | University of Engineering and Technology, Vietnam National University, Hanoi | Engineering and Physical Sciences Review Panel |