

# INSTITUTIONAL LINKS

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## Grants Awarded: Newton Fund Institutional Links – June 2019 call

Eligible IL partner countries: Brazil, Colombia, Egypt, Indonesia, Mexico, Philippines, Thailand, Turkey

- Total eligible applications – 330
- Funded applications – 42 (12.7% success rate) [Includes 6 UK-Egypt projects that are subject to final confirmation from Egyptian authorities – marked with \*]

Newton Fund Institutional Links June 2019 Call:

Partner Country	UK Institution	Partner Institution	Project Title	Review Panel
Brazil	London School of Hygiene and Tropical Medicine	Centro de Integração de Dados e Conhecimentos para Saúde	Estimating the public health burden of arbovirus-related complications in Brazil: A population-based big data project	Biological and Medical Sciences Review Panel
Brazil	London School of Economics and Political Science	Oswaldo Cruz Foundation	Brazil's Fight Against Hepatitis C: Surveillance, Control, and Care	Biological and Medical Sciences Review Panel
Brazil	City, University of London	Oswaldo Cruz Foundation	Prevalence and risk factors for postpartum depression and post-traumatic stress disorder in Brazil.	Social Sciences Review Panel
Colombia	University of York	Universidad Nacional - Bogotá	Development of technologies for the production of valuable biobased fatty esters from agroindustrial residual streams	Engineering and Physical Sciences Review Panel
Colombia	Earlham Institute	Agrosavia	Leverage Yellow Common Bean Native Variety Liborino as a bioproduct for the sustainable and peaceful socioeconomic development of the rural communities in Colombia	Environment, Agriculture and Food Sciences Review Panel

Colombia	University of Bath	Universidad Nacional	Enabling Colombian Perishable Agricultural Exportations via Smart Biopacking (ECoPack)	Engineering and Physical Sciences Review Panel
Colombia	Queen Mary University of London	Universidad Pontificia Bolivariana	Bacterial Nanocellulose Obtained from Colombian Fique Plant Biomass Waste for Application in Energy Storage	Engineering and Physical Sciences Review Panel
Colombia	University of Nottingham	Universidad Francisco de Paula Santander	ALGALCOLOR: BIO-PLATFORM FOR THE SUSTAINABLE PRODUCTION OF CYANOBACTERIAL-BASED COLOURS AND FINE CHEMICALS	Environment, Agriculture and Food Sciences Review Panel
Colombia	Imperial College London	Universidad de La Sabana	Turning residential and industrial waste into affordable energy through dry fermentation - Sabana Centro, Colombia	Engineering and Physical Sciences Review Panel
Colombia	NIAB	Centro de Bioinformática y Biología Computacional BIOS	KOCOLATL: A bioeconomy system to valorize cacao organic waste into valuable products	Environment, Agriculture and Food Sciences Review Panel
Colombia	University of York	Universidad Nacional	Valorisation of wastes from coffee supply chain in Colombian and UK to develop novel products	Environment, Agriculture and Food Sciences Review Panel
Colombia	University of Sheffield	UIS	Integrated anaerobic digestion and gasification systems for sustainable farming in Colombia	Engineering and Physical Sciences Review Panel
Colombia	University of Strathclyde	Instituto de Capacitación e Investigación del Plástico y del Caucho (ICIPC)	Upcycling plastic waste reinforced by modified Fique fibre	Engineering and Physical Sciences Review Panel
Egypt*	The University of Sheffield	Port Said University	Novel wind-powered energy-efficient reverse osmosis plants for sustainable water desalination in rural coastal areas	Engineering and Physical Sciences Review Panel
Egypt*	University of Birmingham (UoB)	National Research Centre (NRC)	Investigation and optimization of design parameters for reverse osmosis (RO) and photo-catalytic water desalination and treatment systems to protect groundwater	Engineering and Physical Sciences Review Panel
Egypt*	University of Strathclyde	Egyptian Desalination Research Center of Excellence	An Integrated Smart System of Ultrafiltration, Photocatalysis, Thermal	Environment, Agriculture and Food Sciences Review Panel

		(EDRC), Desert Research Center (DRC)	Desalination for Wastewater Treatment	
Egypt*	Imperial College London	Mansoura University	Metabolic Engineering of <i>Yarrowia lipolytica</i> to produce an advanced biofuel from cellulose and plant wastes	Biological and Medical Sciences Review Panel
Egypt*	Staffordshire University	Alexandria University	Feasibility study for developing large scale narrow band gap polymeric solar cell: Technical challenges and lifecycle economic	Engineering and Physical Sciences Review Panel
Egypt*	University of Strathclyde	Port Said University (PSU)	A Novel Partially Floating Photovoltaic Integrated with Smart Energy Storage and Management System for Egyptian North Lakes	Engineering and Physical Sciences Review Panel
Indonesia	University of Warwick	Universitas Indonesia	Advanced Materials for Future Energy and Environmental Applications in Indonesia	Engineering and Physical Sciences Review Panel
Indonesia	University of Nottingham	IPB University (Institut Pertanian Bogor)	Development and Manufacture of FDA Approved Bone Repair Materials: Establishing Affordable Healthcare in Indonesia.	Engineering and Physical Sciences Review Panel
Indonesia	The University of Manchester	Institut Teknologi Bandung	Socio-technical solutions to water security challenges in urban areas and post-disaster scenarios	Social Sciences Review Panel
Indonesia	University of Nottingham	University of Gadjah Maha	Improving Clinical Outcome in Indonesia with a Novel diagnostic test for Colorectal Cancer (ICONICC)	Biological and Medical Sciences Review Panel
Indonesia	University of Bath	Muhammadiyah University of Purwokerto	Improving the thermal stability of DTP vaccine for transport and storage without refrigeration in Indonesia	Engineering and Physical Sciences Review Panel
Mexico (Mexico City)	British Geological Survey	Universidad Autónoma Metropolitana	Adaptation and socio-hydrological resilience in the peri-urban environment of Mexico City: Artificial Wetlands	Environment, Agriculture and Food Sciences Review Panel
Mexico (Mexico City)	Newcastle University	Universidad Nacional Autónoma de México (UNAM)	Mexico City and Newcastle Partnership on Health and Air Pollution Research and Engagement (MANAPRE)	Environment, Agriculture and Food Sciences Review Panel
Mexico (Mexico City)	The Robert Gordon University	Universidad Nacional Autónoma de México (UNAM)	SYSCARDIO - INTELLIGENT SYSTEM FOR ASSISTED MEDICAL DIAGNOSIS FOR	Biological and Medical Sciences Review Panel

			<b>CARDIOVASCULAR DISEASES</b>	
Mexico (Sinaloa)	University of Nottingham	Universidad Autonoma Intercultural de Sinaloa (UAIS)	Using botanical insecticides to enhance compatibility between chemical and biological control of major agricultural pests	Environment, Agriculture and Food Sciences Review Panel
Mexico (Sinaloa)	Aston University	Universidad Autónoma de Occidente	System for evacuation and intermodal relief logistics during climate-related events	Social Sciences Review Panel
Mexico (Sinaloa)	Centre for Environment Fisheries and Aquaculture Science	Centro de Investigación en Alimentación y Desarrollo, A.C. (CIAD), Unidad Culiacán	Development of sequencing-based analytical tools for strengthening food safety programs in Sinaloa, Mexico	Environment, Agriculture and Food Sciences Review Panel
Philippines	University of Strathclyde	Ateneo de Davao University	Utilising Marine Renewable Energy to Satisfy Community Energy Demands and Stimulate Socio-Economic Development within the Philippines.	Engineering and Physical Sciences Review Panel
Thailand	Teesside University	King Mongkut's University of Technology Thonburi	An AI enabled digital diagnosis, empowerment and participatory platform for HFMD surveillance	Engineering and Physical Sciences Review Panel
Thailand	NIAB EMR	Nakon Phanon University	Understanding the rhizosphere microbiome for sustainable crop production in the Lower Mekong Basin; unravelling the paddy fields of the northeast, Thailand	Environment, Agriculture and Food Sciences Review Panel
Thailand	King's College London	Chulalongkorn University	The impact of Thai urban and rural ambient air derived particulate matter on inflammatory responses and the potential therapeutic benefits of supplements	Biological and Medical Sciences Review Panel
Thailand	The University of Manchester	Khon Kaen University	Holistic biomass valorisation via biobased chemicals production	Engineering and Physical Sciences Review Panel
Turkey	Public Health England	Sivas Cumhuriyet Universitesi	Epidemiological analysis of CCHFV strains in Turkey and assessment of the utility of non-invasive samples to diagnostics	Biological and Medical Sciences Review Panel

Turkey	Aston University	Izmir Institute of Technology	A sustainable and innovative thermochemical approach for producing hydrocarbon fuels from unrecycled plastic waste in Turkey	Engineering and Physical Sciences Review Panel
Turkey	Brunel University London	Mugla Sitki Kocman University	Direct Writing of Cementitious Inks to Scaffolds with Complex Microarchitectures (DIWoCIS)	Engineering and Physical Sciences Review Panel
Turkey	The University of Manchester	Izmir Institute of Technology	Managing Boron in geothermal fluids for sustainable development of high temperature geothermal energy systems in Gediz Graben, Turkey (GeoGrab)	Engineering and Physical Sciences Review Panel
Turkey	University College London (UCL)	Middle East Technical University (METU)	PROcesses for sustainable retrofit of Traditional dwellings in Turkey for Climate-resilience, Conservation and Comfort (PROT3CT)	Engineering and Physical Sciences Review Panel
Turkey	The University of Manchester	Sabanci University	Bio-inspired smart composite fibres for new generation textiles	Engineering and Physical Sciences Review Panel
Turkey	University College London	Middle East Technical University	Community-based off-grid ultra-efficient microgrid to revive water-food security in agriculture	Engineering and Physical Sciences Review Panel

\* Subject to final security clearance from Egyptian authorities.