

INSTITUTIONAL LINKS

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Grants Awarded: Newton Fund Institutional Links – July 2016

Eligible partner countries: Brazil, Colombia, Egypt, Kenya, Mexico, Thailand, Turkey, Vietnam

- **Total eligible applications – 169**
- **Funded applications – 48 (28%)**

Partner Country	Title of Workshop	UK Institution	Partner Institution	Review Panel
Brazil	Amazon Resilience at the Forest Transition (AM-TRAN)	University of Leeds	Universidade do Estado de Mato Grosso - UNEMAT	Environment, Agriculture and Food Sciences Review Panel
Brazil	Advancing equity in Brazilian protected area management	University of Aberdeen	Universidade Federal de Pernambuco	Social Sciences Review Panel
Brazil	Leveraging Gamification and Social Networks for Improving Prevention and Control of Zika	The University of Newcastle upon Tyne	Federal University of Alagoas, BR	Biological and Medical Sciences Review Panel
Brazil	Mobile learning impact on the prevention and managing of complications caused by arbovirus (Zika, Dengue, Chikungunya)	University of Wolverhampton	State University of Paraíba	Social Sciences Review Panel
Brazil	Supporting health professionals to provide care to families of children with congenital syndromes related to Zika virus in Brazil.	London School of Hygiene & Tropical Medicine	Fundação Oswaldo Cruz	Social Sciences Review Panel
Brazil	Women's social movements and the response to Zika and microcephaly in Brazil: Addressing neglect through	The University of York	Fiocruz Minas Gerais (Fiocruz-MG)	Social Sciences Review Panel

	community-centred approaches			
Brazil	A gamified m-training app for health professionals on protocols and participatory surveillance associated with Zika virus	University College London	Universidade Federal de Pernambuco - UFPE	Engineering and Physical Sciences Review Panel
Brazil	Building collaboration for Action Ethnography on Care, Disability and Health Policy and Administration of Public Service for Women and Caretakers of Zika virus affected Children in Pernambuco, Brazil	Institute of Development Studies	Federal University of Pernambuco	Social Sciences Review Panel
Brazil	Modelling and Mapping statistical probabilities; correlation between Zika virus transmission, sanitary and drainage conditions in the Metropolitan Area of Fortaleza/Ceará (Brazil)	Coventry University Higher Education Corporation	FIOCRUZ, National School of Public Health - Rio de Janeiro, Brazil.	Engineering and Physical Sciences Review Panel
Brazil	Acting in an uncertain world: mapping public health responses to the Zika epidemic in Brazil	University of Oxford	Oswaldo Cruz Foundation	Social Sciences Review Panel
Colombia	Sustainable products from biomass	Queen Mary University of London	Universidad de Antioquia	Engineering and Physical Sciences Review Panel
Colombia	Water Monitoring in Colombian Vulnerable Communities in a Post-Conflict Scenario	University of Bath	Universidad de los Andes	Engineering and Physical Sciences Review Panel
Colombia	Applications of biomaterials based on polysaccharides derivatives of marine algae from Colombia	The University of Sheffield	University of Antioquia	Engineering and Physical Sciences Review Panel
Colombia	Development of a bio-refinery system for organic acid production, bioenergy generation and nutrient recovery using fish wastes from Tumaco, Colombia	University of Southampton	Universidad Nacional de Colombia at Palmira	Environment, Agriculture and Food Sciences Review Panel
Colombia	Identification of natural products from Colombian actinomycetes: understanding their biosynthesis towards the discovery and production of novel antimicrobials.	Edge Hill University	Corporación Corpogen	Biological and Medical Sciences Review Panel
Colombia	Sustainable biotransformation process to exploit anaerobic digestion sludge	University College London	Universidad ICESI	Environment, Agriculture and Food Sciences Review Panel

Colombia	Fingerprints typification of biofuel samples by ultra-high resolution mass spectrometry using an ultra-high resolution Fourier transform ion cyclotron resonance mass spectrometer (FT-ICR MS)	University of Warwick	Universidad industrial de Santander	Engineering and Physical Sciences Review Panel
Egypt	Sustainable solutions towards heritage preservation in Middle Egypt	The British Museum	The Ministry of Antiquities	Arts and Humanities Review Panel
Egypt	The Hilali Network: Exploring Lived Cultural Heritage Through Design in Higher Education	Kingston University Higher Education Corporation	City for Scientific Research and Technological Applications	Arts and Humanities Review Panel
Egypt	Monitoring Heritage Buildings with Optical Sensor Networks	The University of Nottingham	Center for Photonics and Smart Materials, Zewail City of Science and Technology	Engineering and Physical Sciences Review Panel
Egypt	Earliest Egypt: Conservation, Management, Valorisation and Capacity Building	University of Edinburgh	Université Française de'Egypte	Arts and Humanities Review Panel
Egypt	CUTTING-EDGE CONSERVATION: Nanotechnology for cultural heritage	University of Lincoln	Damietta University	Engineering and Physical Sciences Review Panel
Kenya	Sustainable health interventions to tackle the emerging threat of antimicrobial resistance and the rapid rise in non-communicable diseases: a roadmap to improved public health in Kenya	University of Strathclyde	University of Nairobi	Biological and Medical Sciences Review Panel
Kenya	PUNGUZA HEWA KAA: PARTNERS IN CARBON	Edinburgh Napier University	Kenya Marine and Fisheries Research Institute (KMFRI)	Environment, Agriculture and Food Sciences Review Panel
Kenya	Development of microbe-based strategies for improved bee health	The University of Liverpool	icipe (International Centre of Insects Physiology and Ecology)	Environment, Agriculture and Food Sciences Review Panel
Kenya	Positive impact on the social and economic welfare of vulnerable populations in Nairobi through the improvement of outdoor air quality	University of Leicester	University of Nairobi	Engineering and Physical Sciences Review Panel
Kenya	Countering Violent Extremism (CVE) Research Hub	Institute of Development Studies (IDS)	Centre for Human Rights and Policy Studies (CHRIPS)	Social Sciences Review Panel

Mexico	Agricultural Application of Electrical Impedance Tomography (EIT) and Internet of Things (IoT) for Optimisation of Irrigation Water Resources	The University of Manchester	Tecnológico Nacional de México / Instituto Tecnológico de Morelia	Environment, Agriculture and Food Sciences Review Panel
Mexico	Developing Food Security and Water Conservation for Economic Growth in Mexico - A Smart Monitoring and Control System (SMCS) Agro-Technology for Sustainable and Efficient Farming Operations	University of Derby	Universidad Autónoma de Aguascalientes (UAA)	Engineering and Physical Sciences Review Panel
Mexico	Automatic control for optimization of the ozonation regime in the treatment of contaminated soil and aquifers	University College London	National Polytechnic Institute,	Engineering and Physical Sciences Review Panel
Mexico	Development of Multiplex Probe Amplification (MPA) Technology for the Rapid, Sensitive and Specific Diagnosis of Invasive Human Candidiasis: A UK-Mexico Collaboration (MM-CANINV acronym).	Royal Holloway and Bedford New College, University of London	Universidad Nacional Autonoma de Mexico	Biological and Medical Sciences Review Panel
Mexico	Development of intervertebral implants assisted by robotic bone cutting (DIROBONE)	The University of Nottingham	Instituto Tecnológico y de Estudios Superiores de Monterrey	Engineering and Physical Sciences Review Panel
Mexico	Novel pilot-scale system for wastewater/leachates treatment and carbon dioxide capture using microalgae and ozoflotation. (Short: ATZINTLI)	The University of Newcastle upon Tyne	Universidad Nacional Autonoma de Mexico, UNAM	Engineering and Physical Sciences Review Panel
Mexico	Development of sustainable lightweight and energy-efficient materials for multi-functional structural applications	The University of Manchester	Yucatan Centre for Scientific Research (CICY)	Engineering and Physical Sciences Review Panel
Mexico	Characterization of the immune response of Zebu and Holstein-Friesian cattle in a model of vaccination against tuberculosis and its association with natural resistance to Mycobacterium bovis.	Animal and Plant Health Agency	: Facultad de Medicina Veterinaria y Zootecnia, Universidad Nacional Autónoma de México	Environment, Agriculture and Food Sciences Review Panel
Thailand	"Papering over the cracks": Paper Devices coupled with Portable Mass Spectrometry for On-site & Rapid Detection of Contaminants in the Food Industry	The University of Liverpool	Chulalongkorn University	Engineering and Physical Sciences Review Panel
Thailand	New Waves of Chinese Migrations to Northern Thailand: Their Impacts on the Agricultural and Tourism Sectors	School of Oriental and African Studies	Faculty of Social Sciences, Chiang Mai University, Thailand	Social Sciences Review Panel

Turkey	Augmented Safety through Smart Environments	University of Southampton	Ozyegin University	Engineering and Physical Sciences Review Panel
Turkey	Children-friendly patches against an emerging diabetes epidemic in Turkey	University of Bath	Izmir Katip Celebi University	Engineering and Physical Sciences Review Panel
Turkey	Interface design for high efficiency solution processed solar cells	Queen Mary University of London	Middle East Technical University	Engineering and Physical Sciences Review Panel
Turkey	Development of Targeted Near Infrared Ag ₂ S Quantum Dots for Multimodal Therapy and Optical Imaging of Colorectal Cancer	University College London	Koc University	Biological and Medical Sciences Review Panel
Turkey	New Vision Catalysts for Amine Production: Development of Bimetallic Rhenium Based Nanoclusters Encapsulated in Porous Materials for Selective Amide Hydrogenation	University of Oxford	Gebze Technical University	Engineering and Physical Sciences Review Panel
Turkey	Comprehensive Resource of Biomedical Relations with Deep Learning and Network Representations	European Molecular Biology Laboratory - The European Bioinformatics Institute	Middle East Technical University	Biological and Medical Sciences Review Panel
Turkey	Near-IR solar cells for greenhouse applications	Imperial College London	Istanbul Technical University	Engineering and Physical Sciences Review Panel
Turkey	Far-red sugar-functionalised graphene oxide for image-guided delivery of vaccines in vitro and in vivo	King's College London	Bilkent University	Engineering and Physical Sciences Review Panel
Turkey	UK-Turkey Hub for Excellence in Antibacterial Nanocoating Technologies	University of Durham	Selçuk University	Engineering and Physical Sciences Review Panel
Turkey	Pattern analysis of evaporated drop deposits for early diagnosis and follow-up of bladder cancer	The University of Edinburgh	Sabanci University	Engineering and Physical Sciences Review Panel

Vietnam	"A Vietnam-UK Centre of Excellence to design, construct and research the pedagogical impact of mobile digital textbooks in education	The University of Hull	Vietnam National University (VNU), Hanoi	Social Sciences Review Panel
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Grants Awarded: UK-Russia Institutional Links – July 2016

Eligible partner countries: Russia

- **Total eligible applications – 109**
- **Funded applications – 4 (3%)**

Partner Country	Title of Workshop	UK Institution	Partner Institution	Review Panel
Russia	Methods for Multiomics data analysis using GWAS, eQTL and pQTL as a framework for molecular pathway profiling	University of Edinburgh	Novosibirsk National Research State University	Biological and Medical Sciences Review Panel
Russia	British-Russian Centre of Excellence in Catalytic Systems: Combining Experimental and Mathematical Modelling Techniques Integrating Chemical Kinetics, Heat and Mass Transfer from Atomic to Plant scale	University of Leeds	Mendeleev University of Chemical Technology of Russia	Engineering and Physical Sciences Review Panel
Russia	Seismology of Solar Coronal Active Regions	University of Warwick	Space Research Institute of the Russian Academy of Sciences	Engineering and Physical Sciences Review Panel
Russia	Thermotherapy for the treatment of malignant brain tumours mediated by functionalised magnetic nanoparticles	UCL Cancer Institute	Institute of Cytology of the Russian Academy of Sciences	Biological and Medical Sciences Review Panel

Grants Awarded: UK-Gulf Institutional Links – July 2016

Eligible partner countries: Bahrain, Kuwait, Oman, Qatar, Saudi Arabia and the United Arab Emirates)

- **Total eligible applications – 160**
- **Funded applications – 8 (5%)**

Partner Country	Title of Workshop	UK Institution	Partner Institution	Review Panel
Bahrain	Technical Integration of Sustainable Energy and Water (TISEW)	Loughborough University	University of Bahrain	Engineering and Physical Sciences Review Panel
Kuwait	Solar powered fast pyrolysis for producing bio-oils from municipal solid waste in the State of Kuwait	Cranfield University	Public Authority for Applied Education and Training	Engineering and Physical Sciences Review Panel
Oman	Developing capability and demonstrating innovations in protected growing for increased water use efficiency and food security in Oman	The University of Sheffield	Sohar University	Environment, Agriculture and Food Sciences Review Panel
Qatar	A combined experimental and numerical investigation of ignition probability of turbulent inhomogeneous biogas-air mixtures	University of Newcastle Upon Tyne	Qatar University	Engineering and Physical Sciences Review Panel
Saudi Arabia	Developing new ceria based materials to address challenges in energy and the environment	University of Kent	King Abdullah University of Science and Technology	Engineering and Physical Sciences Review Panel
Saudi Arabi	Graphene-based materials for water technologies-From research to applications	The University of Manchester	Masdar Institute of Science and Technology	Engineering and Physical Sciences Review Panel
United Arab Emirates	Cyber Security Challenges for Internet of Things and Core Networks	Loughborough University	King Saud University	Engineering and Physical Sciences Review Panel
United Arab Emirates	Detection, Prediction and Prevention of Harmful Algal Bloom (HAB) Events	The University of Bristol	Khalifa University of Science, Technology and Research	Engineering and Physical Sciences Review Panel