

## Taiwan-UK Partnering Awards

### **BBSRC's support for facilitating international collaboration with Taiwan**

BBSRC's International Relations Unit (IRU) seeks to enhance BBSRC's influence and involvement at the forefront of international science, through taking advantage of international funding opportunities and capitalising on international links, both at policy and scientific levels.

The Taiwan-UK Partnering Awards have been established by BBSRC to specifically support UK-Taiwan collaborative activity. Taiwan-UK Partnering Awards provide resources to leading BBSRC-funded researchers and groups, so that they have the resources to establish long-term relationships with Taiwanese scientists in areas of research that are of direct relevance to BBSRC's current scientific strategy.

The first annual call for the Taiwan-UK Partnering Awards scheme was announced by BBSRC in 2012. Awards of up to £25,000, covering a two-year period, have typically been awarded. Since 2012, BBSRC has funded 22 Taiwan-UK Partnering Awards, providing a financial contribution of approximately £500K. In this scheme, the successful applications are jointly funded both by BBSRC – UKRI and the Taiwanese Ministry of Science and Technology (MOST), who has agreed to provide match funding to the Taiwanese partners.

Funding from Taiwan-UK Partnering Awards can be used to support exchanges of personnel and to access facilities and workshops, although no prescribed mechanisms have been set concerning how the award should be used. Although priority is given to proposals that aim to provide exchange opportunities to early career researchers and access facilities and expertise not currently available in the UK.

The expectation is that the Taiwan-UK Partnering Awards will enable researchers to establish collaborations that will lead to the submission of joint research proposals, either through UKRI or other funding organisations in the future.

A list of proposals that have been awarded by BBSRC since 2012 is shown below.

### **Contacts**

Eligibility queries about the Taiwan-UK Partnering Awards scheme should be addressed to:

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**PREVIOUS AWARDS 2012 - 2019****2019 Call****Taiwan Partnering Award: Investigation of proteins involved in African swine fever virus entry for vaccine development**

£19,000

UK lead partner	Dr Linda Dixon, The Pirbright Institute
Taiwan partner	Yu-Chan Chao, Academia Sinica Taiwan

**Taiwan Partnering Award: Establishing a CHO Cell Expression System for Animal Vaccine Production**

£23,970

UK lead partner	Professor Christopher Smales, University of Kent
Taiwan partner	Hsing-Chieh Wu, Pingtung University of Sci. & Technol

**Taiwan Partnering Award: Artificial intelligence applications to identify regulatory genomic signatures of diet and lifestyle disease risk factors**

£24,985

UK lead partner	Dr Jordana Bell, King's College London
Taiwan partner	Pei-Chien Tsai, Chang Gung University

**2018 Call****Taiwan Partnering Award: Using complementary resources in the UK and Taiwan to better understand photosynthesis in cereals**

£11,160

UK lead partner	Professor Julian Hibberd, Department of Plant Sciences, University of Cambridge
Taiwan partner	Professor Yue-le Hsing, Academia Sinica Taiwan

**Taiwan Partnering Award: Assembly of Recombinant Infectious Bronchitis Virus and Determination of Antigenic Sites that Confer HA Activity**

£16,500

UK lead partner	Dr Erica Bickerton, Department of Avian Viral Diseases, The Pirbright Institute
Taiwan partner	Dr Hui-Wen Chen, National Taiwan University

**2017 Call****Taiwan Partnering Award: Mosquito Research - From Sensory Biology to Vector Control**

£24,980

UK lead partner	Professor Joerg Albert, Ear Institute, University College London
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Taiwan partner	Dr Chun-Hong Chen, National Health Research Institutes
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**Taiwan-UK Partnering Awards: Surveillance of influenza viruses**

£15,400

UK lead partner	Dr Holly Shelton, Department of Avian Viral Diseases, The Pirbright Institute
Taiwan partners	Dr Chih-Heng Huang, Department of Preventive Medicine, National Defense Medical Center (Taiwan); Dr Ming-Tsan Liu, Department of Diagnostics and Vaccine Development, CDC, R.O.C (Taiwan)

**Optimising the diversity and resilience of grasses for use in urban environments**

£25,000

UK Lead partner	Professor Iain Donnison, IBERS, Aberystwyth University
UK partner	Professor Phil Jones, Welsh School of Architecture (ARCHI), Cardiff University
Taiwan partner	Professor Chun Chang, National Taiwan University

**2016 Call****Develop sensitive behavioural and neuroimaging markers in detecting cognitive ageing**

£25,000

UK lead partner	Dr Szu-Han Wang, Centre for Clinical Brain Sciences, University of Edinburgh
Taiwan partners	Professor Jiun-Jie Wang, Chang Gung University; Professor Wen-Sung Lai, National Taiwan University; Dr Yih-Ru Wu, Chang Gung Memorial Hospital; Dr Ruoh-Fang Yen, Department of Nuclear Medicine, National Taiwan University Hospital.

**Taiwan Partnering Award: Understanding the structure & function of bacterial transporters important for industrial biotechnology and bioenergy**

£25,000

UK lead partner	Dr Gavin Thomas, Department of Biology, University of York
Taiwan partner	Dr Nien-Jen Hu, National Chung Hsing University

**Taiwan Partnering Award: Development of Animal Virus Vaccines - the Utilities of Replicon Systems and Infectious Copies**

£24,940

UK lead partner	Professor Martin Ryan, Department of Biology, University of St Andrews
Taiwan partner	Professor Chun-Yen Chu, Institute of Animal Vaccine Technology, Pingtung University of Sci. & Technol

**2015 Call****O-GlcNAc modification and regulation of the NLRP3 inflammasome**

£25,000

UK lead partner	Professor Rob Field, Department of Biological Chemistry, John Innes
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Taiwan partners	Professor Kuo-Feng Hua, Department of Natural Resources, National Ilan University; Professor Shih-Hsiung Wu, Academia Sinica Taiwan; Dr Lee-Chiang-Lo, National Taiwan Normal University; Dr Lichieh Chu, College of Medicine, Chang Gung University; Dr Chia-Yang Li, Department of Genome Medicine, Kaohsiung Medical University

**The Analysis of Digitised Images of Immunohistochemically (IHC) Stained Serial Tissue Sections of Mouse Pancreata**

£24,950

UK lead partner	Dr Michael Khan, School of Life Sciences, University of Warwick
Taiwan partner	Professor Ching-Wei Wang, National University of Science and Technology

**2014 Call**

**Bacterial competition in planta: The Type 6 Secretion System (T6SS) paradigm**

£24,500

UK lead partner	Professor Alain Filloux, Department of Life Sciences, Imperial College London
Taiwan partner	Professor Erh-Min Lai, Academia Sinica Taiwan

**2013 Call**

**Taiwan-Norwich: Development of an integrated platform for the study of mechanisms underlying ageing**

£24,900

UK lead partner:	Professor Simon Carding, Norwich Medical School, University of East Anglia
Taiwan partner:	Professor Shuk-Man Ka, National Defence Medical Centre

**Taiwan Partnering Award: Improving control of influenza viruses**

£25,000

UK lead partner	Professor Munir Iqbal, Department of Avian Viral Diseases, The Pirbright Institute
Taiwan partner	Dr Ho-Sheng Wu, National Influenza Centre, Centres for Disease Control

**Taiwan Partnering Award - Omics Platforms for Exploration of Bioactive Phytochemicals**

£25,000

UK lead partner	Professor Cathie Martin, Department of Metabolic Biology, John Innes Centre
Taiwan partner	Professor Ming-Che Shih, Academia Sinica Taiwan; Professor David Wang, National Chung Hsing University; Professor Shih-Shun Lin, Institute of Biotechnology, National Taiwan University

**Taiwan Partnering Award: Building Research & Translation Regenerative Medicine Capacity between University of Southampton & Taipei Medical University**

£25,000

UK lead partner	Professor Richard Oreffo, Department of Development and Origin of Health and Disease, University of Southampton
Taiwan partner	Professor Liang-Yo Yang, Taipei Medical University

**2012 Call****Optimising biomass conversion on Miscanthus for bioenergy and industrial materials**

£25,300

UK lead partner	Dr Lin Huang, IBERS, Aberystwyth University
<b>UK partner</b>	Professor Ross King, Department of Computer Science, The University of Manchester Professor Richard Templer, Department of Chemistry, Imperial College London Dr Adam Charlton, Biocomposites Centre, Bangor University Professor Iain Donnison, IBERS, Aberystwyth University
Taiwan partner	Professor Chi-Chuan Hwang, National Cheng Kung University

**Development of a high-throughput perfused three dimensional cell culture platform for stem cell study and drug testing**

£24,990

UK lead partner	Professor Zhanfeng Cui, Department of Engineering Science, University of Oxford
Taiwan partner	Dr Min-Hsien Wu, Chang Gung University

**Taiwan and UK International Partnership towards the advancement and discovery of novel microRNA species and regulatory proteins in stem cell biology.**

£24,900

UK lead partner	Dr Tyson Sharp, Barts Cancer Institute, Queen Mary, University of London
Taiwan partner	Professor Hsei-Wei Wang, National Yang-Ming University

**Taiwan-NRP: Natural Product Bioactives**

£25,300

UK lead partner	Professor Rob Field, Department of Biological Chemistry, John Innes Centre
Taiwan partner	Professor Ann Chen, Department of Pathology, National Defence Medical Centre