

## Global Partnering Awards

### BBSRC's support for facilitating international collaborations

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

The first annual call was announced by BBSRC in 2013 (until 2019 it was known as the 'Other Countries' Partnering Award). Awards of up to £30,000, covering a four-year period, have been awarded. Since 2013, BBSRC has funded 48 Global Partnering Awards, providing a financial contribution of approximately £1.3M.

Funding from Global 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. However, 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 Global 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.

Global Partnering Awards that have been awarded by BBSRC are listed below.

### Contacts

Any queries regarding the Global Partnering Awards scheme should be addressed to:

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## PREVIOUS AWARDS 2013 - 2022

**2022 Call****Fighting bacterial plant disease through the development of biological control agents**

£30,000

UK lead partner	Dr Fabrizio Alberti, University of Warwick
Malaysia	Hamidun Bunawan, National University of Malaysia (UKM); Noriha Mat Amin, Malaysian Agricultural R & D Institute

**Creating a platform for DNA-free editing in crop species**

£30,000

UK lead partner	Dr Emma Wallington, National Inst of Agricultural Botany
Argentina	Sergio Feingold, Nat Inst of Agricultural Tech (INTA)

**Nat Inst of Agricultural Tech (INTA)**

£29,700

UK lead partner	Professor Mahmut Tör, University of Worcester
Turkey	Bersin Keskin, TUBITAK Marmara Research Centre

**2021 Call****Singapore - Malaysia - UK Partnering Award: Genetic innovations to support sustainable tropical aquaculture**

£30,000

UK lead partner	Professor Ross Houston, University of Edinburgh
<b>Singapore</b> - <b>Malaysia</b> - partners	John Benzie, WorldFish Center; Dean Jerry, James Cook University

**Nepal, Denmark, Mexico: Resilience to crop pests and disease in a changing climate**

£30,000

UK lead partner	Dr Diane Gail Owen Saunders, John Innes Centre
<b>Nepal, Denmark, Mexico</b> partners	Shivachandra Dhakal, Agriculture and Forestry University; David Hodson, CIMMYT; Mogens Hovmoller, Aarhus University

**Sharing expertise to quantify and mitigate GHG in the agriculture and land use sector in Argentina and the UK**

£29,825

UK lead partner	Dr Nicola Holden, SRUC
Argentina partners	Guillermo Sanchez, Nat Inst of Agricultural Tech (INTA)

**Hong Kong Partnering Award: Next generation genetically encoded sensors to reveal primary energy metabolism in plant immune responses.**

£23,700

UK lead partner	Professor Murray Grant, University of Warwick
Hong Kong partners	Boon Lim, The University of Hong Kong

**South Korean partnership on food waste valorisation through industrial biotechnology**

£29,200

UK lead partner	Professor Dimitris Charalampopoulos, University of Reading
South Korean partners	Young Wee, Yeungnam University

**2020 Call**

There were no Global Partnering Award applications awarded in the 2020 Call.

**2019 Call**

**[Korea] Korea-UK: Understanding the microbiome dynamics of naturally fermented foods and function of lactic acid bacteria-based probiotics**

£29,970

UK lead partner	Professor Arjan Narbad, Quadram Institute Bioscience
Korean partners	Professor Gi-Seong Moon, Department of Biotechnology, Korean National Uni of Transportation; Professor Dae-Kyung Kang, Dankook University

**[Singapore] Singapore: Building a globally leading partnership between the National Biofilms Innovation Centre and SCELSE**

£30,000

UK lead partner	Professor Jeremy Webb, University of Southampton
Singapore partners	Staffan Kjelleberg, Singapore Centre for Environmental Life, Nanyang Technological University

**[Argentina] Argentina - UK partnership to improve wheat grain quality**

£30,000

UK lead partner	Professor Martin Parry, Lancaster University
Argentina partners	Daniel Miralles, University of Buenos Aires

**[Argentina and Colombia] Argentina and Colombia: Developing partnerships to address the spread of cassava diseases**

£23,310

UK lead partner	Dr Sarah Dyer, National Inst of Agricultural Botany
Argentina and Colombia partners	Maritza Cuervo, Int Centre for Tropical Agriculture; Liliana Di Feo, National Institute of Agricultural Techn

**2018 Call**

**[Australia] Construction of Synthetic Yeast Chromosomes using BioFoundries in United Kingdom and Australia**

£29,600

UK lead partner	Dr Thomas Ellis, Department of Bioengineering, Imperial College London
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**BBSRC GLOBAL PARTNERING AWARDS 2013 - 2022**

Australian partners	Dr Ian Paulsen, Department of Chemistry and Biomolecular Science, Macquarie University; Dr Claudia Vickers, Land & Water (Canberra), CSIRO
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**UK-Pakistan**

£30,000

UK lead partner	Dr Tina Barsby, National Institute of Agricultural Botany
Pakistan partners	Dr Shahid Mansoor, Department of Biotechnology, National Inst Biotechnology & Genetic Environment; Professor Riaz Khattak, Department of Computer Sciences, CECOS University; Professor Javed Ahmad, Wheat Research Institute, Ayub Agriculture Research Institute; Professor Asif Tanveer, University of Agriculture Faisalabad

**Canada and New Zealand. Sustainable control of gastrointestinal nematodes in ruminant livestock.**

£29,100

UK lead partner	Dr Neil Sargison, Royal School of Veterinary Science, University of Edinburgh
Canada and New Zealand partners	Professor John Gilleard, Faculty of Veterinary Medicine, University of Calgary; Dr Andrew Peregrine, Ontario Veterinary College, University of Guelph; Professor William Pomroy, Department of Veterinary Animal and Biomedical Science, Massey University; Dr Andrew Greer, Agriculture and Life Sciences Division, Lincoln University NZ

**Better Foods for better health: Partnership between High Value Nutrition New Zealand and Food Innovation and Health QIB**

£30,000

UK lead partner	Professor Richard Mithen, Department of Food, Innovation and Health, Quadram Institute Bioscience
New Zealand partners	Professor Frank Bloomfield, Liggins Institute, University of Auckland; Professor Harjinger Singh, Future foods Department, The Riddet Institute

**Australia-UK: Collaboration for multidisciplinary research in nutrition and ageing**

£10,100

UK lead partner	Dr Nazif Alic, Department of Genetics Evolution and Environment, University College London
Australia Partners:	Dr Matthew Piper, School of Biological Sciences, Monash University; Professor Stephen Simpson, School of Biological Sciences, University of Sydney

**2017 Call**

**Exploring genetic diversity of native Andean potatoes for an increased value crop**

£23,000

UK lead partner	Professor Mario Caccamo, Department of Genetics and Breeding, National Institute of Agricultural Botany
Argentina Partner	Dr Sergio Feingold, National Institute of Agricultural Tech (INTA)

**Establishing a Joint UK-Argentina Partnership in Industrial Biotechnology and Bioenergy**

£29,800

UK lead partner	Professor Simon McQueen-Mason, Department of Biology, University of York
Argentina Partner	Dr Alberto Acevedo, Instituto de Suelos, Instituto Nacional de Tecnología Agropec

**Australia-UK-Kenya Partnership for One Health and Food Security**

£30,000

UK lead partner	Dr Robert Christley, Institute of Infection and Global Health, University of Liverpool
Australia and Kenya Partners:	Dr Nicoline de Haan, Water, Land and Ecosystems Department, Int Livestock Research Institute; Associate Professor Robyn Alderes, Faculty of Veterinary Science, University of Sydney

**Type-II NADH dehydrogenase from the food pathogen Listeria and other microbes as "druggable" target**

£20,525

UK lead partner	Dr Lars Jeuken, Institute of Membrane & Systems Biology, University of Leeds
Australia Partner	Dr Yoshio Nakatani, Department of Microbiology, University of Otago

**2016 Call**

**Australia: Promoting collaboration between JIC and EI (UK), SCU and CSIRO (Australia) in Brassica genomics and Brassica crop phenology**

£23,352

UK lead partner	Dr Judith Irwin, Department of Crop Genetics, John Innes Centre
Australia Partners	Professor Graham King, Department of Plant Conservation Genetics, Southern Cross University; Dr Julianne Lilley, Department of Agriculture and Food, CSIRO

**Australia-UK Interdisciplinary partnership to speed cereal breeding**

£30,000

UK lead partner	Professor Claire Halpin, School of Life Sciences, University of Dundee
Australia partners	Dr Lee Hickey, University of Queensland; Dr Helena Oakey, School of Agriculture and Wine, University of Adelaide.

**Kenya yeye: UK-Australian Global Soil Meta-omic Programme**

£29,915

UK lead partner	Professor John Crawford, Department of Sustainable Soil and Grassland Systems, Rothamsted Research
Australia partners	Associate Professor Pauline Mele, Department of Economic Development, Jobs, Transport, Victoria State Government; Dr Andrew Bissett, Department of Oceans and Atmosphere, CSIRO - Hobart Dr Gupta Vadamatt, Department of Agriculture and Food, CSIRO – Waite Campus Dr Alan Richardson, Department of Agriculture and Food, CSIRO

**Canada: Functional annotation of the Atlantic salmon genome, translation to improved health and performance for Aquaculture**

£30,000

UK lead partner	Professor Samuel Martin, Institute of Biological and Environmental Science, University of Aberdeen
Canada partners	Professor Matthew Rise, Centre for Ocean Sciences, Memorial University of Newfoundland; Professor Willie Davidson, Department of Molecular Biology and Biochemistry, Simon Fraser University; Professor Ben Koop, Department of Biology, University of Victoria.

**Canada: Membrane protein technologies for drug discovery**

£28,000

UK lead partner	Professor Roslyn Bill, School of Life and Health Sciences, Aston University
<b>UK partner</b>	Dr Alex Conner, Institute of Clinical Sciences, University of Birmingham
Canada partners	Professor Justin MacDonald, Department of Biochemistry and Molecular Biology, University of Calgary

**Biorefining oil palm waste residues**

£29,500

UK lead partner	Professor Neil Bruce, Department of Biology, University of York
Malaysia partner	Dr Chun Shiong Chong, Faculty of Biosciences and Medical Engineering, University of Technology Malaysia

**2015 Call**

**Australia: UK wheat pre-breeding for resistance to new disease threats - NextGenWheat**

£30,000

UK lead partner	Dr Lesley Boyd, National Institute of Agricultural Botany
Australia partners:	Dr Richard Oliver, Curtin University; Dr Peter Dracatos, Faculty of Agriculture, Food and Natural Resources, Plant Breeding Institute; Professor Richard Michael Trethowan, Plant Breeding Institute, IA Watson Research Centre, University of Sydney

**Uruguay: Developing metrics and use of long term datasets in grassland systems**

£26,250

UK lead partner	Dr Laura Cardenas, Department of Sustainable Soils and Grassland Systems, Rothamsted Research
Uruguay partner	Dr Jose Torre, Department of Sustainability and Production, INIA (Instituto Nacional de Investigación Agropecuaria)

**Cuba: Application of 'omics in the metabolic study of high cell density continuous cell cultures of recombinant NS0 myeloma cell lines**

£19,480

UK lead partner	Professor Alan Dickson, Department of Life Sciences, The University of Manchester
Cuba partner	Dr Kathya Rashida, Department of Protein Analysis and Proteomics, Centre of Molecular Immunology

**New Zealand - UK Partnering Award: Breeding for disease resistance in farmed oysters using genomic tools**

£23,700

UK lead partner	Dr Ross Houston, The Roslin Institute, University of Edinburgh
New Zealand partners	Dr Tim Bean, CEFAS Weymouth Laboratory, Centre for Env Fisheries Aqua Sci (CEFAS) Dr Mark Camara, Cawthorn Institute

**2014 Call**

**Kenya - UK partnership to develop in vitro and in vivo laboratory models for highly pathogenic tick-borne microorganisms of livestock and humans**

£30,000

UK lead partner	Dr Lesley Bell-Sakyi, Department of Vecotr-borne Viral Diseases, The Pirbright Institute
Kenya partner	Dr Richard Bishop, International Livestock Research Institute

**Other Countries Partnering Award, Canada; Common Genomics Platforms for Oat Breeding**

£25,000

UK lead partner	Dr Tim Langdon, IBERS, Aberystwyth University
Canada partner	Dr Robert Vickerstaff, Department of Science, East Malling Research Dr Nicholas Tinker, Department of Eastern Cereal and Oilseed Research Centre, Agriculture & Agri-food Canada

**Other Countries Partnering Awards (Peru): New Extremozymes for Renewable Feedstock Fractionation and Valorisation**

£27,485

UK lead partner	Professor Gary Lye, Department of Biochemical Engineering, University College London
Peru partner	Dr Amparo Zavaleta, Major National University of San Marcos

**Improving health through food structure**

£30,000

UK lead partner	Dr Alan Mackie, Department of Food and Health, Institute of Food Research
New Zealand partner	Dr Simon Loveday, Department of Future Foods, The Riddet Institute, Massey University; Dr Matt Golding, Department of Future Foods, The Riddet Institute Professor Roger Lentle, Department of Future Foods, The Riddet Institute

**Other Countries Partnering Award, South Korea: Genome editing and transgenic technologies for virus-host interaction studies in birds**

£35,000

UK lead partner	Professor Venugopal Nair, Department of Avian Viral Diseases, The Pirbright Institute
South Korea partner	Professor Jae Yong Han, College of Agricultural and Life Science, Seoul National University

**Other Countries Partnering Award, Canada: Genomic selection in cereals for grain quality and improved soil health**

£7,100

UK lead partner	Dr Christopher Ridout, Department of Crop Genetics, John Innes Centre
Canada partner	Dr Aaron Mills, Agriculture & Agri-Food Canada

**2013 Call**

**Colombia and Kenya Partnering Award: Skills sharing for genomic approaches to forage improvement**

£30,000

UK lead partner	Dr Sarah Ayling, Department of Bioinformatics, The Genome Analysis Centre, Earlham Institute
Colombia and Kenya partners:	Professor Joe Tohme, CIAT Headquarters Colombia, Centro Internacional de Agricultura Tropical; Dr Appolinaire Djikeng, Department of Biosciences Eastern and Central Africa, International Livestock Research Institute

**Other Countries Partnering Award, Australia: A rhizotrait framework for the northern and southern hemispheres**

£29,950

UK lead partner	Professor Elizabeth Baggs, Institute of Biological and Environmental Sciences, University of Aberdeen
Australia partner	Professor Ian Anderson, Hawkesbury Institute for the Environment, University of Western Sydney

**Building Phosphorus Research Potential: Developing existing methods and exploring the potential of emerging techniques**

£28,830

UK lead partner	Dr Martin Blackwell, Sustainable Soils and Grassland Systems, Rothamsted Research
UK partner	Professor Philip Haygarth, Lancaster Environment Centre, Lancaster Environment
Panama partner	Dr Benjamin Turner, Soils Laboratory, Smithsonian Tropical Research Institute

**Synthetic Biology for Bioenergy and Biotechnology**

£26,552

UK lead partner	Professor Michael Bushell, Department of Microbial & Cellular Sciences, University of Surrey
Argentina partner	Dr Hugo Gramajo, National University of Rosario

**Sequencing and Informatics in Grasses & Cereals**

£26,700

UK lead partner	Professor Iain Donnison, IBERS, Aberystwyth University
Australia partner	Professor David Edwards, School of Agricultural & Food Sciences, University of Queensland

**Sustainable intensification of temperate and tropical livestock production**

£29,680



UK lead partner	Dr Jennifer Dungait, Sustainable Soils and Grassland Systems, Rothamsted Research
Kenya partner	Dr Rolf Sommer, Department of Grants Administration, International Centre for Tropical Agriculture

**Tackling Enterohaemorrhagic *E. coli* infection across continents**

£12,900

UK lead partner	Professor David Gally, The Roslin Institute, The University of Edinburgh
Argentina partner	Dr Marina Palermo, Instituto de Medicina Experimental, CONICET – Academia Nacional de Medicina

**Combing biophysical and 'omics methods for understanding the basis of blood clotting and haemostasis, and how to modify it**

£29,745

UK lead partner	Professor Royston Goodacre, Department of Chemistry, The University of Manchester
South Africa partner	Professor Resia Pretorius, Faculty of Health Sciences, University of Pretoria

**Developing feedstock and products for straw-based biorefineries**

£52,000

UK lead partner	Professor Simon McQueen-Mason, Department of Biology, University of York
Vietnam partner	Professor Nguyeb Tuat, VAAS, Vietnam Academy of Agricultural Sciences

**Other Countries Partnering Award [Australia] Understanding common mechanisms of pathogenicity in *Mycoplasma* species.**

£29,100

UK lead partner	Professor Andrew Rycroft, Department of Pathology and Pathogen Biology, Royal Veterinary College
UK partner	Dr Alexander Tucker, Department of Veterinary Medicine, University of Cambridge; Professor Paul Langford, Department of Medicine, Imperial College London
Australian partner	Dr Philip Markham, Faculty of Veterinary Science, University of Melbourne Professor Ben Adler, Department of Medicine, Nursing & Health Sciences, Monash University

**Exploiting synergies in barley research**

£30,000

UK lead partner	Professor Robbie Waugh, College of Life Sciences, University of Dundee
Australia partners	Professor Geoffrey Fincher, Centre of Excellence in Plant Cell Walls, Australian Research Council; Dr Rachel Burton, Plant Accelerator, Australian Plant Phenomics Facility; Dr Ben Trevaskis, Black Mountain Laboratories, CSIRO; Professor Peter Langridge, CEO of Australian Centre for Plant Functional Genomics

**Exploring the link between inflammation and endocrine signalling in the hypothalamus: the role of neuronal dynamics in healthy ageing.**

£29,860

UK lead partner	Professor Michael White, Life Sciences, The University of Manchester
New Zealand partner	Professor Allan Herbison, Neuroendocrinology, University of Otago

