

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 40 Global Partnering Awards, providing a financial contribution of approximately £1.2M.

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.

A list of proposals that have been awarded by BBSRC since 2013 is shown below.

Contacts

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

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PREVIOUS AWARDS 2013 - 2018

2019 Call

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

£29,970

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| 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

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| 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

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| 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

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| 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

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| UK lead partner | Dr Thomas Ellis, Department of Bioengineering, Imperial College London |
| Australian partners | Dr Ian Paulsen, Department of Chemistry and Biomolecular Science, Macquarie University; Dr Claudia Vickers, Land & Water (Canberra), CSIRO |

UK-Pakistan

£30,000

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| 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 |

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| | University; Professor Javed Ahmad, Wheat Research Institute, Ayub Agriculture Research Institute; Professor Asif Tanveer, University of Agriculture Faisalabad |
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Canada and New Zealand. Sustainable control of gastrointestinal nematodes in ruminant livestock.

£29,100

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| 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

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| 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

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| 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

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|-------------------|---|
| 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

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

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

£30,000

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| UK lead partner | Dr Robert Christley, Institute of Infection and Global Health, University of Liverpool |
| Australia and Kenya | Dr Nicoline de Haan, Water, Land and Ecosystems Department, Int Livestock |

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| Partners: | Research Institute; Associate Professor Robyn Alderes, Faculty of Veterinary Science, University of Sydney |
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Type-II NADH dehydrogenase from the food pathogen Listeria and other microbes as "druggable" target

£20,525

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| 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

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| 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

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| 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

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| 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 Vadakattu, 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

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| 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

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| UK lead partner | Professor Roslyn Bill, School of Life and Health Sciences, Aston University |
| UK partner | 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

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| 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

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| 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

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| 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

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| 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 Paterning Award: Breeding for disease resistance in farmed oysters using genomic tools

£23,700

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| 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

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| 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

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| 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

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| 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

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| 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

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| 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

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| 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

BBSRC GLOBAL PARTNERING AWARDS 2013 - 2019

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| 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

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| 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

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| 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

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| 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

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| 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

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| 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

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| 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

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| 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

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| 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

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| 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

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| 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

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