

## Brazil Partnering Awards

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

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

The first annual call for the Brazil Partnering Awards scheme was announced by BBSRC in 2011. Awards of up to £50,000, covering a four-year period, have typically been awarded. Since 2011, BBSRC has funded 28 Brazil Partnering Awards, providing a financial contribution of approximately £1.15M.

The first annual call for the Brazil Partnering Awards Scheme was announced by BBSRC in 2011 and was run as a joint call with the National Council for Scientific and Technological Development (CNPq) of Brazil and encouraged applications in the area of Food Security and Industrial Biotechnology & Bioenergy. Since 2013, calls have not been run in collaboration with CNPq and have welcomed any applications within BBSRC remit.

Funding from Brazil 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 Brazil 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.

A list of proposals that have been awarded by BBSRC since 2011 is shown below.

### **Contacts**

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

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**PREVIOUS AWARDS 2011 - 2019****2019 Call**

No Brazil Partnering Award applications were funded in the 2019 Call.

**2018 Call****Brazil Partnering Award: Imperial-Portsmouth-Vicosa *A. pleuropneumoniae* collaboration**

£49,000

UK lead partner	Professor Paul Langford, Department of Medicine, Imperial College London
Brazil Partners	Professor Denise Bazolli, Federal University of Vicosa

**2017 Call****A Collaborative Initiative to Develop Animal Trypanosomiasis Vaccines in Brazil**

£28,750

UK lead partner	Dr Andrew Jackson, Institute of Infection and Global Health, University of Liverpool
Brazil Partner	Professor Marta Teixeira, Institute of Biomedical Sciences, University of Sao Paulo

**Brazil Partnering Award: Welfare and health assessment of managed neotropical mammals in Brazil: developing strategies for sustainable food production**

£36,250

UK lead partner	Professor Michael Mendl, University of Bristol
Brazil Partners	Dr Selene Nogueira, Life Sciens Department, Universidade Estadual Santa Cruz (UESC) Professor Adroaldo Zanella, School of Veterinary Medicine and Animal Science, University of Sao Paulo

**BRAZIL: Control of meristem size by DELLA proteins across plant species - Collaboration between JIC (UK) and the University of São Paulo (Brazil)**

£35,040

UK lead partner	Professor Robert Sablowski, Department of Cell and Development Biology, John Innes Centre
Brazil Partner	Professor Fabio Nogueira, School of Agricultura – Luiz de Queiroz, University of Sao Paulo

**2016 Call**

No Brazil Partnering Awards were made during the 2016 Call.

**2015 Call****Synthetic biology of transporters and other enzymes in yeast**

£49,410

UK lead partner	Professor Douglas Kell, Department of Chemistry, The University of Manchester
Brazil Partner:	Professor Elizabeth Bilsland, Institute of Biology, State University of Campinas

	(UNICAMP)
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**Brazil - The biomechanics and biophotonics of plant health and development**

£49,800

UK lead partner	Professor Daniel Robert, Department of Biological Sciences, University of Bristol
Brazil Partner:	Professor Cristiano Gallep, Optics and Photonics Research Center, State University of Campinas (UNICAMP)

**2014 Call**

**Accelerating Synthetic Biology Approaches to Renewable Chemicals and Fuels**

£50,000

UK lead partner	Professor Nigel Minton, School of Life Sciences, University of Nottingham
UK Partner	Professor Colin Grant, Department of Biology and Biochemistry, University of Bath Mr Emyr Maldwyn Phillips, IBERS, Aberystwyth University
Brazil Partner:	Dr Patricia Magalhães de Toledo, Research Department, GranBio

**2013 Call**

**UK-Brazil Partnering Award for Developing New Aphid Resistance in Wheat**

£48,000

UK lead partner	Dr Michael Birkett, Department of Biological Chemistry and Crop Protection, Rothamsted Research
Brazil Partner:	Dr Paulo Valle da S Pereira, National Wheat Research Centre, EMBRAPA Brazilian Agricultural Research

**Brazil Partnering Award: Population genetic diversity of wild birds and its influence on virus evolution and biology**

£18,000

UK lead partner	Dr Muhammad Munir, Department of Avian Viral Disease, The Pirbright Institute
Brazil Partner:	Professor Clarice Arns, Institute of Biology, State University of Campinas (UNICAMP)

**Characterisation and exploitation of novel antimicrobials within the rumen microbiota**

£40,700

UK lead partner	Dr Sharon Huws, IBERS, Aberystwyth University
Brazil Partner:	Dr Hilario Mantovani, Department of Animal Biology, Federal University of Vicosa

**Brazil Partnering Award-Understanding the health benefits of bioactives in food**

£50,000

UK lead partner	Dr Paul Kroon, Department of Food and Health, Institute of Food Research
Brazil Partners:	Dr Regina Lago, EMBRAPA Brazilian Agricultural Research; Dr Leandro Pena, Fundo de Defesa da Citricultura, Fundcitrus Dr Ricardo Giordano, Department of Biosciences, University of Sao Paulo

**Towards an understanding of cytoskeletal dynamics: coupling systematic fly genetics with computational modeling**

£16,500

## BBSRC – UKRI BRAZIL PARTNERING AWARDS 2011- 2019

UK lead partner	Professor Andreas Prokop, Department of Life Sciences, The University of Manchester
Brazil Partner:	Professor Carlos de Moura, LNCC - National Laboratory of Scientific Computing

### Impacts of sugar cane production in Brazil

£48,000

UK lead partner	Professor Peter Smith, Institute of Biological and Environmental Sciences, University of Aberdeen
Brazil Partner:	Dr Marcelo Galdos, Brazilian Bioethanol Science & Tech. lab, Brazilian Center for Research in Energy & Materials

### Brazil Partnering Award: Influence of gut microbiota derived short chain fatty acids on intestinal immunity

£74,500

UK lead partner	Dr Patrick Varga-Weisz, Department of Chromatin and Gene Expression, Babraham Institute
Brazil Partners:	Professor Marco Vinolo, Institute of Biology, State University of Campinas (UNICAMP); Professor Marcelo Mori, Federal University of Sao Paulo; Professor Niels Camara, University of Sao Paulo

## 2012 Call

### Brazil Partnering Award: Data acquisition and training for –omics in food, fuel and fisheries research

£59,450

UK lead partner	Professor Alan Archibald, The Roslin Institute, University of Edinburgh
Brazil Partners:	Dr Benilton Carvalho, State University of Campinas (UNICAMP) Dr Eduardo Tarazona Santos, Institute of Biological Sciences, Federal University of Minas Gerais Professor Gabriel Fernandes, Department of Bioinformatics, Universidade Catolica de Brasilia

### Pre-breeding for durable resistance to rust diseases in hexaploid wheat

£38,340

UK lead partner	Dr Lesley Boyd, Department of Genetics and Breeding, National Institute of Agricultural Botany
Brazil Partner:	Dr Marcia Chaves, National Wheat Research Centre, EMBRAPA

### Exploitation of related species for developing superior adapted wheat varieties

£46,000

UK lead partner	Dr Julie King, School of Biosciences, University of Nottingham
Brazil Partner:	Professor Antonio Costa de Oliveira, Federal University of Portal (UFPEL)

### Brazil-Imperial College collaboration: small RNAs in *A. pleuropneumoniae* - from identification to application

£31,250

UK lead partner	Professor Paul Langford, Department of Medicine, Imperial College London
Brazil Partners:	Professor Denise Bazzolli, Federal University of Vicosa Dr Cátia Klein, EMBRAPA Brazilian Agricultural Research

**2011 Call**

**Characterisation and exploitation of bacterial endophytes in C4 energy crops**

£35,601

UK lead partner	Dr Kerrie Farrar, IBERS, Aberystwyth University
Brazil Partner:	Dr Heloiza Barbosa, Department of Biosciences, University of São Paulo

**UK-Brazil Partnering award for FMD Vaccine Selection and Matching**

£48,001

UK lead partner	Dr Madhuchhanda Mahapatra, Department of Foot and Mouth Disease, Institute for Animal Health, The Pirbright Institute
Brazil Partner:	Dr J. Caetano, FMD Laboratory, National Laboratory of Synchrotron Light (LNLS) Dr Rossana Allende, Pan American Center PANAFTOSA

**ARIES-Brazil**

£50,000

UK lead partner	Dr Caroline Relton, Institute of Human Genetics, Newcastle University
Brazil Partner:	Dr Bernardo Horta, Post Graduate Programme in Epidemiology, Federal University of Pelotas Professor Odir Dellagostin, Federal University of Pelotas Dr Rodrigo Alonso, CEO, Deoxi Biotecnologia

**Brazil: Sustainable Soil Management for Improved Food Security & Bioenergy Delivery**

£42,950

UK lead partner	Dr Sacha Mooney, Division of Agricultural and Environmental Science, University of Nottingham.
Brazil Partner:	Professor Alvaro Pires da Silva, College of Agriculture (ESALQ), University of São Paulo Professor Cassio Antonio Tormena, State University of Maringa Professor Neyde Giarola, Soil Science Department, Ponta Grossa State University Professor Herjania de Lima, Soil Science Department, Federal Rural University Amazon Professor Tairone Leao, University of Brasilia

**Brazil-UK Collaboration on Technologies for Wheat Improvement**

£49,420

UK lead partner	Professor Martin Parry, Plant Science Division, Rothamsted Research
UK Partner	Professor William Davies, Lancaster Environment Centre, Lancaster University Professor Andy Greenland, Department of Genetics and Breeding, National Institute of Agricultural Botany Dr Michael Foulkes, School of Biosciences, University
Brazil Partner:	Dr Walter Ribeiro, EMBRAPA

**An International UK-Brazil Collaboration using Synchrotron Radiation Circular Dichroism Spectroscopy to Study Protein Structure and Function**

£27,000

UK lead partner	Professor Bonnie Wallace, Department of Biological Sciences, Birkbeck College
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**BBSRC – UKRI BRAZIL PARTNERING AWARDS 2011- 2019**

Brazil Partner:	Professor Ana de Araujo, Instituto de Fisica de Sao Carlos, University of São Paulo
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**UK - Brazil partnership on the chemical ecology of crop-plant/rust-pathogen interactions for underpinning novel crop protection strategies**

£30,000

UK lead partner	Dr Michael Birkett, Biological Chemistry Division, Rothamsted Research
Brazil Partner:	Dr Clara-Beatriz Hoffmann-Campo, Laboratory of Chemical Ecology, EMBRAPA-Soybean Dr Ricardo Abdelnoor, Laboratorio de Ecologia Quimica, EMBRAPA-Soybean

**Brazil - Enhancing Fusarium head blight and brusone resistance through improved phenotyping and genotyping**

£27,700

UK lead partner	Dr Paul Nicholson, Department of Disease and Stress Biology, John Innes Centre
Brazil Partner:	Dr Jose Fernandes, Embrapa Headquarters, EMBRAPA Brazilian Agricultural Research Mr Juliano de Almeida, Fundacao Agraria de Pesquisa Agropecuaria Dr Emerson Del Ponte, Faculdade de Agronomia, Universidade Federal do Rio Grande do Sul Dr Dauri Tessmann, Departamento de Agronomia, Universidade Estadual de Maringa

**Brazil-UK: Supporting training and research in predictive microbiology, using ComBase and related software tools**

£29,000

UK lead partner	Dr Jozsef Baranyi, Food Borne Bacterial Pathogens Programme, Institute of Food Research
Brazil Partner:	Professor Bernadette Franco, University of Sao Paulo