

Summary of current UKRI-BBSRC awards of value greater than £2 million on 13 April 2021

Grant Reference	Title	Lead Research Organisation*	Initiative
BB/L01386X/1	BrisSynBio: Bristol Centre for Synthetic Biology	University of Bristol	Synthetic Biology Research Centres (SBRC)
BB/L013940/1	SBRC NOTTINGHAM: Sustainable Routes to Platform Chemicals	University of Nottingham	Synthetic Biology Research Centres (SBRC)
BB/L014130/1	OpenPlant	University of Cambridge	Synthetic Biology Research Centres (SBRC)
BB/M017702/1	CENTRE FOR SYNTHETIC BIOLOGY OF FINE AND SPECIALITY CHEMICALS	The University of Manchester	Synthetic Biology Research Centres (SBRC)
BB/M018040/1	SynthSys-Mammalian: Edinburgh Mammalian Synthetic Biology Research Centre	University of Edinburgh	Synthetic Biology Research Centres (SBRC)
BB/M018237/1	A Combinatorial Approach to Enhance Production of Monoclonal Antibodies	University of York	Industrial Biotechnology Catalyst (IBCAT)
BB/N001591/1	Glycoengineering of Veterinary Vaccines	London Sch of Hygiene and Trop Medicine	Longer and Larger Grants (LoLas)
BB/P001335/1	Architecture of a biofilm	University of Dundee	Longer and Larger Grants (LoLas)
BB/P003095/1	Brassica Rapeseed And Vegetable Optimisation	John Innes Centre	Longer and Larger Grants (LoLas)
BB/P003117/1	Activation of Non-Photosynthetic Leaf Cells for Improved Productivity	University of Cambridge	Longer and Larger Grants (LoLas)
BB/P01738X/1	[16-FAPESP-BE] Lignin valorization in cellulosic ethanol plants: biocatalytic conversion via ferulic acid to high value chemicals	University of Warwick	BBSRC-Brazil (FAPESP) joint funding of research
BB/P027784/1	GCRF-AFRICAP - Agricultural and Food-system Resilience: Increasing Capacity and Advising Policy	University of Leeds	RC GCRF
BB/P027806/1	GCRF GlobalSeaweed* - Safeguarding the future of seaweed aquaculture in developing countries	Scottish Association For Marine Science	RC GCRF
BB/P027849/1	Capacity building for bioinformatics in Latin America	EMBL - European Bioinformatics Institute	RC GCRF

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BB/P02789X/1	GCRF establishment of biopharmaceutical and animal vaccine production capacity in Thailand and neighbouring South East Asian countries	University of Kent	RC GCRF
BB/P027954/1	GCRF: One Health Regional Network for the Horn of Africa (HORN)	University of Liverpool	RC GCRF
BB/P027970/1	Transforming India's Green Revolution by Research and Empowerment for Sustainable food Supplies	University of Cambridge	RC GCRF
BB/R012415/1	National Biofilms Innovation Centre	University of Southampton	UK Biofilms Programme Biofilms Innovation Centre (IKC)
BB/S011269/1	GCRF One Health Poultry Hub	Royal Veterinary College	GCRF Interdisciplinary Research Hubs (GCRF IRH)
BB/T000627/1	How do RNA-binding proteins control splice site selection?	University of Leicester	Longer and Larger Grants (LoLas)
BB/T001984/1	Opportunities to modulate extracellular matrix secretion and assembly for long term health	The University of Manchester	Longer and Larger Grants (LoLas)
BB/T002182/1	What determines protein abundance in plants?	Rothamsted Research	Longer and Larger Grants (LoLas)
BB/T002212/1	Mapping antibody class switch mechanisms and function	King's College London	Longer and Larger Grants (LoLas)
BB/T004363/1	CEPAMS Newton Fund: Sino-UK excellence with impact on the Sustainable Development Goals	John Innes Centre	Newton Fund Open Call (NF)
BB/T010886/1	Bacteria: Advancement of Control and Knowledge to Save Threatened Oak and Protect them for Future Generations	Forest Research	Bacterial Plant Diseases
BB/V003518/1	Regulation of epithelial and endothelial cell-cell junctions by mechanical forces	University of Bristol	Longer and Larger Grants (LoLas)
BB/V003534/1	SUMOcode: deciphering how SUMOylation enables plants to adapt to their environment	Durham University	Longer and Larger Grants (LoLas)
BB/V003542/1	Origins of Biology: How energy flow structures metabolism and heredity at the origin of life	University College London	Longer and Larger Grants (LoLas)
BB/V003577/1	Deciphering the function of intrinsically disordered protein regions in a cellular context	University of Leeds	Longer and Larger Grants (LoLas)

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BB/V004581/1	Transformations to Regenerative Food Systems	University of York	
BB/V004719/1	Healthy soil, Healthy food, Healthy people (H3)	University of Sheffield	
BB/V004832/1	Transforming Urban Food Systems for Planetary and Population Health (The Mandala Consortium)	University of Cambridge	
BB/V004905/1	Co-production of healthy, sustainable food systems for disadvantaged communities	University of Reading	
BB/V011588/1	Greenhouse Gas Removal Plus (GGR+): Sustainable Treescapes Demonstrator & Decision Tools	University of Exeter	Greenhouse Gas Removal Demonstrators (GGR-SPF)
BBS/E/B/000C0421	To study epigenetic mechanisms regulating lineage commitment and cell potency	Babraham Institute	Institute core project (CSG)
BBS/E/B/000C0425	To study and manipulate heterogeneous epigenetic states that operate during ageing	Babraham Institute	Institute core project (CSG)
BBS/E/B/000C0427	Immune homeostasis and the immune response	Babraham Institute	Institute core project (CSG)
BBS/E/B/000C0428	Develop a mechanistic understanding of how transcriptional and posttranscriptional regulation of gene expression is coordinated by signal transduction pathways.	Babraham Institute	Institute core project (CSG)
BBS/E/B/000C0431	How neutrophils detect and resolve infection and how this deteriorates with age	Babraham Institute	Institute core project (CSG)
BBS/E/B/000C0432	How changes in nutrient availability are sensed and shape metabolism and growth	Babraham Institute	Institute core project (CSG)
BBS/E/B/000C0434	How autophagy and related processes are coordinated and important in adaption to changed nutrient availability and cell damage	Babraham Institute	Institute core project (CSG)
BBS/E/C/000I0220	DFW - Designing Future Wheat - Work package 1 (WP1) - Increased efficiency and sustainability	Rothamsted Research	Institute core project (CSG)
BBS/E/C/000I0250	DFW - Designing Future Wheat - Work package 2 (WP2) - Added value and resilience	Rothamsted Research	Institute core project (CSG)
BBS/E/C/000I0310	S2N - Soil to Nutrition - Work package 1 (WP1) - Optimising nutrient flows and pools in the soil-plant-biota system	Rothamsted Research	Institute core project (CSG)
BBS/E/C/000I0320	S2N - Soil to Nutrition - Work package 2 (WP2) - Adaptive management systems for improved efficiency and nutritional quality	Rothamsted Research	Institute core project (CSG)

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BBS/E/C/000I0410	TPM - Tailoring Plant Metabolism - Work package 2 (WP2) - Designer Willows: high value phenolic glycosides for health and industry	Rothamsted Research	Institute core project (CSG)
BBS/E/C/000I0420	TPM - Tailoring Plant Metabolism - Work package 1 (WP1) - High value lipids for health and industry	Rothamsted Research	Institute core project (CSG)
BBS/E/D/10002071	The function of genes and cellular phenotypes in animal systems	University of Edinburgh	Institute core project (CSG)
BBS/E/D/20002173	Pathogen diversity, host specificity and virulence	University of Edinburgh	Institute core project (CSG)
BBS/E/D/30002276	Complex phenotypes and genotype x environment interactions	University of Edinburgh	Institute core project (CSG)
BBS/E/F/000PR10349	Microbial Survival in the Food Chain	Quadram Institute Bioscience	Institute core project (CSG)
BBS/E/F/000PR10355	Changes in gut microbe-host interactions and their impact beyond the gut	Quadram Institute Bioscience	Institute core project (CSG)
BBS/E/I/00007030	Disease Pathogenesis	The Pirbright Institute	Institute core project (CSG)
BBS/E/I/00007031	Recognition and control of virus infections	The Pirbright Institute	Institute core project (CSG)
BBS/E/I/00007034	Molecular and Systems Virology	The Pirbright Institute	Institute core project (CSG)
BBS/E/I/00007036	Transmission and Epidemiology	The Pirbright Institute	Institute core project (CSG)
BBS/E/I/00007037	High Containment	The Pirbright Institute	Institute core project (CSG)
BBS/E/I/00007038	Low Containment	The Pirbright Institute	Institute core project (CSG)
BBS/E/I/00007039	Science Services	The Pirbright Institute	Institute core project (CSG)
BBS/E/J/000PR9773	Genome and Epigenome	John Innes Centre	Institute core project (CSG)
BBS/E/J/000PR9779	Increased efficiency and sustainability	John Innes Centre	Institute core project (CSG)
BBS/E/J/000PR9780	Added value and resilience	John Innes Centre	Institute core project (CSG)
BBS/E/J/000PR9781	Germplasm	John Innes Centre	Institute core project (CSG)
BBS/E/J/000PR9787	Organogenesis and Plant Architecture	John Innes Centre	Institute core project (CSG)
BBS/E/J/000PR9788	Phenotypic Plasticity in Response to Environmental Challenges	John Innes Centre	Institute core project (CSG)
BBS/E/J/000PR9790	Products and Pathways	John Innes Centre	Institute core project (CSG)
BBS/E/J/000PR9791	Biological Context	John Innes Centre	Institute core project (CSG)
BBS/E/J/000PR9795	Recognition	John Innes Centre	Institute core project (CSG)
BBS/E/J/000PR9796	Response	John Innes Centre	Institute core project (CSG)
BBS/E/J/000PR9797	Susceptibility	John Innes Centre	Institute core project (CSG)
BBS/E/T/000PR9783	Data access and analysis	Earlham Institute	Institute core project (CSG)

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BBS/E/T/000PR9816	Supporting EI's ISPs and the UK Community with Genomics and Single Cell Analysis	Earlham Institute	Institute core project (CSG)
BBS/E/T/000PR9818	Signatures of Domestication and Adaptation	Earlham Institute	Institute core project (CSG)
BBS/E/T/000PR9819	Regulatory interactions and Complex Phenotypes	Earlham Institute	Institute core project (CSG)
BBS/E/W/0012843D	BBSRC Core Strategic Programme in Resilient Crops: Grasslands Gogerddan	Aberystwyth University	Institute core project (CSG)

Project summaries are available on [Gateway to Research](#) for the majority of grants

* Awards may involve collaboration between researchers based in different Research Organisations or awards transferred between Research Organisations. Only the lead organisation is shown.