UK Research and Innovation

2026-27 Strategic Longer and larger (sLoLa) funding opportunity: Summary of BBSRC awards greater than £2 million (01 April 2026).

NAPIC: National Alternative Protein Innovation Centre
Award Reference: BB/Z516119/1

Lead Organisation: University of Leeds

Initiative: Alternative Proteins Innovation and Knowledge Centre

Quantum Sensing in Nature and Synthetic Biology
Award Reference: UKRI2822

Lead Organisation: University of Oxford

Initiative: BBSRC 2024-25 strategic Longer and Larger (sLoLa) grants: stage 2

The Semantic Rules Of Gene Regulatory Landscapes
Award Reference: UKRI2821

Lead Organisation: University of Birmingham

Initiative: BBSRC 2024-25 strategic Longer and Larger (sLoLa) grants: stage 2

Long wavelength oxygenic photosynthesis
Award Reference: UKRI2820

Lead Organisation: Imperial College London

Initiative: BBSRC 2024-25 strategic Longer and Larger (sLoLa) grants: stage 2

Understanding the rules of impermeability in Gram negative bacteria
Award Reference: UKRI2819

Lead Organisation: University of Birmingham

Initiative: BBSRC 2024-25 strategic Longer and Larger (sLoLa) grants: stage 2

Resilient Crops
Award Reference: Institute Programme

Lead Organisation: Aberystwyth University

Initiative: BBSRC Institute Strategic Programme Grant

UK Research and Innovation

Immunology: Molecular & Cellular Mechanisms of Host Defense and Immunosenescence
Award Reference: Institute Programme

Lead Organisation: Babraham Institute

Initiative: BBSRC Institute Strategic Programme Grant

Signalling: Molecular mechanisms underpinning healthy ageing
Award Reference: Institute Programme

Lead Organisation: Babraham Institute

Initiative: BBSRC Institute Strategic Programme Grant

Epigenetics: cellular heterogeneity in development and ageing
Award Reference: Institute Programme

Lead Organisation: Babraham Institute

Initiative: BBSRC Institute Strategic Programme Grant

CELLGEN: Cellular Genomics
Award Reference: Institute Programme

Lead Organisation: Earlham Institute

Initiative: BBSRC Institute Strategic Programme Grant

DECODE: Decoding Biodiversity
Award Reference: Institute Programme

Lead Organisation: Earlham Institute

Initiative: BBSRC Institute Strategic Programme Grant

Building Robustness in Crops
Award Reference: Institute Programme

Lead Organisation: John Innes Centre

Initiative: BBSRC Institute Strategic Programme Grant

Delivering Sustainable Wheat
Award Reference: Institute Programme



Lead Organisation: John Innes Centre

Initiative: BBSRC Institute Strategic Programme Grant

Harnessing Biosynthesis for Sustainable Food and Health
Award Reference: Institute Programme

Lead Organisation: John Innes Centre

Initiative: BBSRC Institute Strategic Programme Grant

Advancing Plant Health
Award Reference: Institute Programme

Lead Organisation: John Innes Centre

Initiative: BBSRC Institute Strategic Programme Grant

Food Microbiome and Health
Award Reference: Institute Programme

Lead Organisation: Quadram Institute Bioscience

Initiative: BBSRC Institute Strategic Programme Grant

Microbes and Food Safety
Award Reference: Institute Programme

Lead Organisation: Quadram Institute Bioscience

Initiative: BBSRC Institute Strategic Programme Grant

Green Engineering: Sustainable products in plants
Award Reference: Institute Programme

Lead Organisation: Rothamsted Research

Initiative: BBSRC Institute Strategic Programme Grant

Growing Health: Healthier agroecosystems
Award Reference: Institute Programme

Lead Organisation: Rothamsted Research

Initiative: BBSRC Institute Strategic Programme Grant

UK Research and Innovation

Resilient Farming Futures
Award Reference: Institute Programme

Lead Organisation: Rothamsted Research

Initiative: BBSRC Institute Strategic Programme Grant

AgZero+: Net-Zero Agriculture
Award Reference: Institute Programme

Lead Organisation: Rothamsted Research

Initiative: BBSRC Institute Strategic Programme Grant

Host Responses to Viral Infection
Award Reference: Institute Programme

Lead Organisation: The Pirbright Institute

Initiative: BBSRC Institute Strategic Programme Grant

Virus Life Cycles at Multiple Scales
Award Reference: Institute Programme

Lead Organisation: The Pirbright Institute

Initiative: BBSRC Institute Strategic Programme Grant

Genes & Traits for Healthy Animals
Award Reference: Institute Programme

Lead Organisation: University of Edinburgh

Initiative: BBSRC Institute Strategic Programme Grant

Prevention & Control of Infectious Diseases
Award Reference: Institute Programme

Lead Organisation: University of Edinburgh

Initiative: BBSRC Institute Strategic Programme Grant

Advancing Plant Health – BBSRC Institute Strategic Programme PartnerGrant
Award Reference: BB/Y002997/1

Lead Organisation: University of East Anglia



Initiative: BBSRC Institute Strategic Programme Partner Grant

Decarbonising the Surfactant and Functional Polymer Value Chains by enzymatic processes

Award Reference: BB/Y003292/1

Lead Organisation: University College London

Initiative: BBSRC Prosperity Partnerships

SuCCEED: Sustainable chemicals via enzyme engineering & design
Award Reference: BB/Y003276/1

Lead Organisation: University of Manchester

Initiative: BBSRC Prosperity Partnerships

Drivers of Salmon Robustness
Award Reference: BB/Z517173/1

Lead Organisation: University of Edinburgh

Initiative: BBSRC Prosperity Partnerships

A Prosperity Partnership for the Design Next-Generation Antibody Drug Bioconjugates (Next-Gen ADC)
Award Reference: BB/Y003268/1

Lead Organisation: University of Strathclyde

Initiative: BBSRC Prosperity Partnerships

Melanin's impact on skin behaviour: Effects across the pigmentary spectrum.
Award Reference: BB/Y003233/1

Lead Organisation: University of Manchester

Initiative: BBSRC Prosperity Partnerships

UK Gut-Immunology-Brain Axis Network+
Award Reference: UKRI775

Lead Organisation: University of Southampton

Initiative: Stage 2 (invite only)

UK Research and Innovation

CIRCBIONET: Circular Bioeconomy through Engineering Biology Network for Specialty Chemicals

Award Reference: UKRI2615

Lead Organisation: University of Edinburgh

Initiative: BBSRC-NRF UK-Singapore Engineering Biology For Specialty Chemical Production

Engineered Genetic Control Systems for Therapeutics

Award Reference: BB/Y008545/1

Lead Organisation: University of Edinburgh

Initiative: Engineering Biology Mission Hubs and Awards

Engineering Biology Hub for Microbial Food

Award Reference: BB/Y008510/1

Lead Organisation: Imperial College London

Initiative: Engineering Biology Mission Hubs and Awards

Engineering Biology Hub for environmental processing and recovery of metals; from contaminated land to industrial biotechnology in a circular economy

Award Reference: BB/Y008456/1

Lead Organisation: University of Kent

Initiative: Engineering Biology Mission Hubs and Awards

Environmental Biotechnology Innovation Centre

Award Reference: BB/Y008332/1

Lead Organisation: Cranfield University

Initiative: Engineering Biology Mission Hubs and Awards

Preventing Plastic Pollution with Engineering Biology (P3EB) Mission Hub

Award Reference: BB/Y007972/1

Lead Organisation: University of Portsmouth

Initiative: Engineering Biology Mission Hubs and Awards

UK Research and Innovation

GlycoCell Engineering Biology Mission Hub: Transforming glycan biomanufacture for health
Award Reference: BB/Y008472/1

Lead Organisation: University of Nottingham

Initiative: Engineering Biology Mission Hubs and Awards

Synthetically engineered microalgae for improved gut function and human health
Award Reference: BB/Y00857X/1

Lead Organisation: University of Glasgow

Initiative: Engineering Biology Mission Hubs and Awards

SafePhage: Engineering synthetic phages with intrinsic biocontainment
Award Reference: BB/Y007743/1

Lead Organisation: University of Manchester

Initiative: Engineering Biology Mission Hubs and Awards

Sustainable Style for Clean Growth: Innovating Textile Production through Engineering Biology
Award Reference: BB/Y007735/1

Lead Organisation: Imperial College London

Initiative: Engineering Biology Mission Hubs and Awards

Scalable Production of Precisely Engineered Proteins Using an Expanded Genetic Code
Award Reference: BB/Y00812X/1

Lead Organisation: University of Manchester

Initiative: Engineering Biology Mission Hubs and Awards

Engineering insects for novel food/feed and waste management
Award Reference: BB/Y008014/1

Lead Organisation: University of York

Initiative: Engineering Biology Mission Hubs and Awards

UK Research and Innovation

ALMOND: Agriculture Living Machine of Operational Nano Droplets
Award Reference: BB/Y008537/1

Lead Organisation: Cardiff University

Initiative: Engineering Biology Mission Hubs and Awards

Cyanobacteria engineering for restoring environments (CYBER)
Award Reference: BB/Y007638/1

Lead Organisation: University of Bristol

Initiative: Engineering Biology Mission Hubs and Awards

Engineering biology for critical metal recovery from industrial wastestreams
Award Reference: BB/Y008448/1

Lead Organisation: University of Manchester

Initiative: Engineering Biology Mission Hubs and Awards

Evaluation and optimisation of new engineered human human apoferritins: protein nanocages for targeted drug delivery and intracellular cargo release

Award Reference: BB/Y008200/1

Lead Organisation: University of Nottingham

Initiative: Engineering Biology Mission Hubs and Awards

MAST, Modular Activator and Silencer Therapeutics
Award Reference: BB/Y007816/1

Lead Organisation: University of Cambridge

Initiative: Engineering Biology Mission Hubs and Awards

Engineering of Extracellular Vesicles for Oral Delivery of Nucleic Acid Therapies
Award Reference: BB/Y008065/1

Lead Organisation: King's College London

Initiative: Engineering Biology Mission Hubs and Awards

UK Research and Innovation

Electrospun mucoadhesive matrices for polymersome-mediated mRNA vaccine delivery
Award Reference: BB/Y007514/1

Lead Organisation: University of Sheffield

Initiative: Engineering Biology Mission Hubs and Awards

EBioAct: Sustainable production of bioactive triterpenes
Award Reference: BB/Y007751/1

Lead Organisation: John Innes Centre

Initiative: Engineering Biology Mission Hubs and Awards

Optimal cell factories for membrane protein production
Award Reference: BB/Y007603/1

Lead Organisation: University of Warwick

Initiative: Engineering Biology Mission Hubs and Awards

Haemotoxic and cytotoxic snake venom metalloproteinases – production, enzymatic specificity, snakebite treatment, and biomedical use

Award Reference: BB/Y007581/1

Lead Organisation: University of Bristol

Initiative: Engineering Biology Mission Hubs and Awards

Engineering gene regulatory networks to design disease-resistant crops
Award Reference: BB/Y007786/2

Lead Organisation: University of Cambridge

Initiative: Engineering Biology Mission Hubs and Awards

Greenhouse gas removal with UK agriculture via enhanced rock weathering
Award Reference: BB/V011359/1

Lead Organisation: University of Sheffield

Initiative: Greenhouse Gas Removal Demonstrators (GGR-SPF)

UK Research and Innovation

Biochar Demonstrator: addressing deployment barriers for carbon sequestration
Award Reference: BB/V011596/1

Lead Organisation: University of Nottingham

Initiative: Greenhouse Gas Removal Demonstrators (GGR-SPF)

Greenhouse Gas Removal (GGR+): Sustainable Treescapes Demonstrator & Decision Tools
Award Reference: BB/V011588/1

Lead Organisation: University of Exeter

Initiative: Greenhouse Gas Removal Demonstrators (GGR-SPF)

Greenhouse Gas Removal by Accelerated Peat Formation
Award Reference: BB/V011561/1

Lead Organisation: Centre for Ecology & Hydrology

Initiative: Greenhouse Gas Removal Demonstrators (GGR-SPF)

Perennial Biomass Crops for Greenhouse Gas Removal
Award Reference: BB/V011553/1

Lead Organisation: Aberystwyth University

Initiative: Greenhouse Gas Removal Demonstrators (GGR-SPF)

BBSRC National Bioscience Infrastructure: High Containment Services and Science Platformss
Award Reference: BBS/E/PI/23NB0004

Lead Organisation: The Pirbright Institute

Initiative: Institute core project (CSG)

BBSRC National Bioscience Infrastructure: Low Containment Services and Science Platforms
Award Reference: BBS/E/PI/23NB0003

Lead Organisation: The Pirbright Institute

Initiative: Institute core project (CSG)

UK Research and Innovation

Harnessing Biosyntheiss for Sustainable Food and Health: Production of valuable bioactive molecules by bioengineering natural processes

Award Reference: BBS/E/JI/230004B

Lead Organisation: John Innes Centre

Initiative: Institute core project (CSG)

Food Microbiome & Health: The impact of plant-rich diets on the gut microbiome keystone species and food-borne pathogens
Award Reference: BBS/E/QU/230001B

Lead Organisation: Quadram Institute Bioscience

Initiative: Institute core project (CSG)

Host Responses to Viral Infection: A fundamental understanding of immune response
Award Reference: BBS/E/PI/230001A

Lead Organisation: The Pirbright Institute

Initiative: Institute core project (CSG)

Virus Life Cycles at multiple scales: Biology of virus-infected cells
Award Reference: BBS/E/PI/230002A

Lead Organisation: The Pirbright Institute

Initiative: Institute core project (CSG)

Building Robustness in Crops: Manipulating plant morphology for improved crop performance

Award Reference: BBS/E/JI/230002C

Lead Organisation: John Innes Centre

Initiative: Institute core project (CSG)

Genes & Traits for Healthy Animals: Understanding the origins of animal phenotypes
Award Reference: BBS/E/RL/230001C

Lead Organisation: University of Edinburgh

Initiative: Institute core project (CSG)

Building Robustness in Crops: Exploiting complexity of gene regulation in crops
Award Reference: BBS/E/JI/230002B

Lead Organisation: John Innes Centre

Initiative: Institute core project (CSG)

Microbes and Food Safety: Flexible capabilities to reduce food safety threats and respond to emerging national needs
Award Reference: BBS/E/QU/230002C

Lead Organisation: Quadram Institute Bioscience

Initiative: Institute core project (CSG)

Harnessing Biosyntheiss for Sustainable Food and Health: Targeting metabolic traits to improve the nutritional value and sustainability of crops
Award Reference: BBS/E/JI/230004A

Lead Organisation: John Innes Centre

Initiative: Institute core project (CSG)

Delivering Sustainable Wheat: Targeted Sustainability-Trait Discovery (Rothamsted Research)
Award Reference: BBS/E/RH/230001A

Lead Organisation: Rothamsted Research

Initiative: Institute core project (CSG)

Microbes and Food Safety: Microbial threats from foods in established and evolving food systems
Award Reference: BBS/E/QU/230002A

Lead Organisation: Quadram Institute Bioscience

Initiative: Institute core project (CSG)

Food Microbiome and Health: Exploiting current and new mechanistic knowledge from Themes 1 to 3 to design and trial food/microbiome-based interventions
Award Reference: BBS/E/QU/230001D

Lead Organisation: Quadram Institute Bioscience

Initiative: Institute core project (CSG)

Virus Life Cycles at Multiple Scales: Virus-host interactions
Award Reference: BBS/E/PI/230002B

Lead Organisation: The Pirbright Institute

Initiative: Institute core project (CSG)

Growing Health - bioinspired solutions for healthier agroecosystems: Understanding soil environments
Award Reference: BBS/E/RH/230003B

Lead Organisation: Rothamsted Research

Initiative: Institute core project (CSG)

Growing Health - bioinspired solutions for healthier agroecosystems: Understanding biointeractions
Award Reference: BBS/E/RH/230003A

Lead Organisation: Rothamsted Research

Initiative: Institute core project (CSG)

Prevention & Control of Infectious Diseases: Pathogen diversity and the basis of host-adaption and virulence
Award Reference: BBS/E/RL/230002C

Lead Organisation: University of Edinburgh

Initiative: Institute core project (CSG)

Advancing Plant Health: Enhancing plant immunity to protect crops
Award Reference: BBS/E/JI/230001A

Lead Organisation: John Innes Centre

Initiative: Institute core project (CSG)

Delivering Sustainable Wheat: Sustainable Data Frameworks for Wheat (Earlham Institute)
Award Reference: BBS/E/ER/230003C

Lead Organisation: Earlham Institute

Initiative: Institute core project (CSG)

Signalling: Explaining the breakdown in proteostasis across the lifecourse
Award Reference: BBS/E/B/000C0531

Lead Organisation: Babraham Institute

Initiative: Institute core project (CSG)

Advancing Plant Health: Mitigating biotic threats to plant health
Award Reference: BBS/E/JI/230001B

Lead Organisation: John Innes Centre

Initiative: Institute core project (CSG)

Food Microbiome and Health: Micro- and macro-nutrient bioavailability from plan-based foods across the GIT
Award Reference: BBS/E/QU/230001A

Lead Organisation: Quadram Institute Bioscience

Initiative: Institute core project (CSG)

Microbes and Food Safety: Microbial survival in established and evolving food systems
Award Reference: BBS/E/QU/230002B

Lead Organisation: Quadram Institute Bioscience

Initiative: Institute core project (CSG)

Food Microbiome and Health: Elucidating how foods influence host responses
Award Reference: BBS/E/QU/230001C

Lead Organisation: Quadram Institute Bioscience

Initiative: Institute core project (CSG)

Virus Life Cycles at Multiple Scales: Understanding and predicting disease spread
Award Reference: BBS/E/PI/230002C

Lead Organisation: The Pirbright Institute

Initiative: Institute core project (CSG)

Genes & Traits for Healthy Animals: Identifying the genomic basis of complex traits in farmed animals
Award Reference: BBS/E/RL/230001A

Lead Organisation: University of Edinburgh

Initiative: Institute core project (CSG)

Epigenetics: To understand the factors controlling establishment and robustness of epigenetic states in development.
Award Reference: BBS/E/B/000C0522

Lead Organisation: Babraham Institute

Initiative: Institute core project (CSG)

Resilient Farming Futures: Understanding impacts of single and compound climate policy and biotic stresses on agroecosystem 'resilience'
Award Reference: BBS/E/RH/230004A

Lead Organisation: Rothamsted Research

Initiative: Institute core project (CSG)

Host Responses to Viral Infection: Differential outcomes of viral infections
Award Reference: BBS/E/PI/230001B

Lead Organisation: The Pirbright Institute

Initiative: Institute core project (CSG)

Epigenetics: To understand how epigenetic states change over the life-course and explore interventions that safeguard chromatin states.
Award Reference: BBS/E/B/000C0523

Lead Organisation: Babraham Institute

Initiative: Institute core project (CSG)

Signalling: The adaptation of the PI3K network during ageing
Award Reference: BBS/E/B/000C0532

Lead Organisation: Babraham Institute

Initiative: Institute core project (CSG)

Green Engineering knowledge-based delivery of sustainable products in plants: Multigene metabolic engineering for high value lipids
Award Reference: BBS/E/RH/230002B

Lead Organisation: Rothamsted Research

Initiative: Institute core project (CSG)

Delivering Sustainable Wheat: Delivering Resilience to Biotic Stress (John Innes Centre)
Award Reference: BBS/E/JI/230003B

Lead Organisation: John Innes Centre

Initiative: Institute core project (CSG)

Delivering Sustainable Wheat: Targeted Sustainability-Trait Discovery (John Innes Centre)
Award Reference: BBS/E/JI/230003A

Lead Organisation: John Innes Centre

Initiative: Institute core project (CSG)

BBSRC National Bioscience Research Infrastructure: North Wyke Farm Platform
Award Reference: BBS/E/RH/23NB0008

Lead Organisation: Rothamsted Research

Initiative: Institute core project (CSG)

Cellular Genomics (CELLGEN): Consequences of somatic genome variation on traits
Award Reference: BBS/E/ER/230001B

Lead Organisation: Earlham Institute

Initiative: Institute core project (CSG)

Decoding Biodiversity (DECODE): Development of Novel Experimental and Bioinformatic Tools for Genomic Diversity and Analysis
Award Reference: BBS/E/ER/230002A

Lead Organisation: Earlham Institute

Initiative: Institute core project (CSG)

BBSRC National Bioscience Research Infrastructure: Transformative Genomics
Award Reference: BBS/E/ER/23NB0006

Lead Organisation: Earlham Institute

Initiative: Institute core project (CSG)

Prevention & Control of Infectious Diseases: Understanding the basis of host resistance
Award Reference: BBS/E/RL/230002A

Lead Organisation: University of Edinburgh

Initiative: Institute core project (CSG)

Decoding Biodiversity (DECODE): Genome Enabled Analysis Of Diversity To Identify Gene Function Biosynthetic Pathways And Variation In Agri/Aquacultural Traits
Award Reference: BBS/E/ER/230002B

Lead Organisation: Earlham Institute

Initiative: Institute core project (CSG)

Building Robustness in Crops: Developing resources for gene discovery allele mining and gene-editing to improve crops
Award Reference: BBS/E/JI/230002A

Lead Organisation: John Innes Centre

Initiative: Institute core project (CSG)

GreenAg- Towards Clean, Green and Net-zero Agriculture - Work package 3 (WP3) Network of Living Farm Labs
Award Reference: BBS/E/C/RP1070413

Lead Organisation: Rothamsted Research

Initiative: Institute core project (CSG)

UK Research and Innovation

Prevention & Control of Infectious Diseases: The basis of natural and vaccine-mediated immunity
Award Reference: BBS/E/RL/230002B

Lead Organisation: University of Edinburgh

Initiative: Institute core project (CSG)

Advancing Plant Health: Durable disease control and combating emerging threats
Award Reference: BBS/E/JI/230001D

Lead Organisation: John Innes Centre

Initiative: Institute core project (CSG)

Resilient Crops: Crop Genomics
Award Reference: BBS/E/IB/230001D

Lead Organisation: Aberystwyth University

Initiative: Institute core project (CSG)

Immunology: Understanding the molecular and cellular basis of Immunity: T cell Effector and Memory responses
Award Reference: BBS/E/B/000C0544

Lead Organisation: Babraham Institute

Initiative: Institute core project (CSG)

Delivering Sustainable Wheat: Delivering Resilience to Biotic Stress (Rothamsted Research)
Award Reference: BBS/E/RH/230001B

Lead Organisation: Rothamsted Research

Initiative: Institute core project (CSG)

Growing Health – bioinspired solutions for healthier agroecosystems: Discovery landscapes
Award Reference: BBS/E/RH/230003C

Lead Organisation: Rothamsted Research

Initiative: Institute core project (CSG)

UK Research and Innovation

Green Engineering knowledge-based delivery of sustainable products in plants: Harnessing endogenous pathways to enhance yield
Award Reference: BBS/E/RH/230002A

Lead Organisation: Rothamsted Research

Initiative: Institute core project (CSG)

Host Responses to Viral Infection: Enhancing protective response in vertebrate hosts
Award Reference: BBS/E/PI/230001C

Lead Organisation: The Pirbright Institute

Initiative: Institute core project (CSG)

Epigenetics: To understand the role of intracellular metabolites in epigenetic resilience.
Award Reference: BBS/E/B/000C0521

Lead Organisation: Babraham Institute

Initiative: Institute core project (CSG)

Green Engineering knowledge-based delivery of sustainable products in plants. Engineering Sustainable Phenolics
Award Reference: BBS/E/RH/230002C

Lead Organisation: Rothamsted Research

Initiative: Institute core project (CSG)

BBSRC National Bioscience Research Infrastructure: Rothamsted Insect Survey
Award Reference: BBS/E/RH/23NB0006

Lead Organisation: Rothamsted Research

Initiative: Institute core project (CSG)

Advancing Plant Health: Beneficial interactions for improved plant health
Award Reference: BBS/E/JI/230001C

Lead Organisation: John Innes Centre

Initiative: Institute core project (CSG)

UK Research and Innovation

Resilient Farming Futures: Digital platforms for supporting national agroecosystem 'resilience' through systems adaptations
Award Reference: BBS/E/RH/230004C

Lead Organisation: Rothamsted Research

Initiative: Institute core project (CSG)

Building Robustness in Crops: Improving dicotyledonous crops for sustainable crop rotation
Award Reference: BBS/E/JI/230002D

Lead Organisation: John Innes Centre

Initiative: Institute core project (CSG)

Cellular Genomics (CELLGEN): Data Science for Cellular Genomics
Award Reference: BBS/E/ER/230001A

Lead Organisation: Earlham Institute

Initiative: Institute core project (CSG)

Immunology: Understanding the molecular and cellular basis of Immunity: The Cellular and Molecular Mechanisms of the Germinal Centre Reaction
Award Reference: BBS/E/B/000C0541

Lead Organisation: Babraham Institute

Initiative: Institute core project (CSG)

Prevention & Control of Infectious Diseases: Epidemiology and modelling
Award Reference: BBS/E/RL/230002D

Lead Organisation: University of Edinburgh

Initiative: Institute core project (CSG)

Delivering Sustainable Wheat: Nutritional Traits (Rothamsted Research)
Award Reference: BBS/E/RH/230001C

Lead Organisation: Rothamsted Research

Initiative: Institute core project (CSG)

UK Research and Innovation

Genes & Traits for Healthy Animals: Defining genome activity
Award Reference: BBS/E/RL/230001B

Lead Organisation: University of Edinburgh

Initiative: Institute core project (CSG)

Resilient Crops: Forages for sustainable feed food and environment
Award Reference: BBS/E/IB/230001A

Lead Organisation: Aberystwyth University

Initiative: Institute core project (CSG)

Delivering Sustainable Wheat: Nutritional Traits (Quadram Institute Bioscience)
Award Reference: BBS/E/QU/230003A

Lead Organisation: Quadram Institute Bioscience

Initiative: Institute core project (CSG)

Resilient Crops: Miscanthus for biomass and carbon capture
Award Reference: BBS/E/IB/230001C

Lead Organisation: Aberystwyth University

Initiative: Institute core project (CSG)

Delivering Sustainable Wheat: Sustainable Data Frameworks for Wheat (John Innes Centre)
Award Reference: BBS/E/JI/230003D

Lead Organisation: John Innes Centre

Initiative: Institute core project (CSG)

Resilient Crops: Grains for Health (Oats)
Award Reference: BBS/E/IB/230001B

Lead Organisation: Aberystwyth University

Initiative: Institute core project (CSG)

Cellular Genomics (CELLGEN): Cell-type specific transcriptional changes during development and upon stress
Award Reference: BBS/E/ER/230001C

Lead Organisation: Earlham Institute

Initiative: Institute core project (CSG)

Signalling: Enhancing the integrated stress response (ISR) to promote stress resilience, lifespan and health span
Award Reference: BBS/E/B/000C0536

Lead Organisation: Babraham Institute

Initiative: Institute core project (CSG)

Decoding Biodiversity (DECODE): Linking Fine-Scale Microbial Diversity To Ecosystem Functions
Award Reference: BBS/E/ER/230002C

Lead Organisation: Earlham Institute

Initiative: Institute core project (CSG)

Immunology: Understanding the molecular and cellular basis of Immunity: The Persistence of Humoral Memory
Award Reference: BBS/E/B/000C0543

Lead Organisation: Babraham Institute

Initiative: Institute core project (CSG)

Delivering Sustainable Wheat: Nutritional Traits (John Innes Centre)
Award Reference: BBS/E/JI/230003C

Lead Organisation: John Innes Centre

Initiative: Institute core project (CSG)

Resilient Farming Futures: Detecting agroecosystem 'resilience' using novel data science methods
Award Reference: BBS/E/RH/230004B

Lead Organisation: Rothamsted Research

Initiative: Institute core project (CSG)

BBSRC National Bioscience Research Infrastructure: Food Databanks
Award Reference: BBS/E/QU/23NB0006

Lead Organisation: Quadram Institute Bioscience

Initiative: Institute core project (CSG)

BBSRC National Bioscience Research Infrastructure: Rothamsted Long-Term Experiments
Award Reference: BBS/E/RH/23NB0007

Lead Organisation: Rothamsted Research

Initiative: Institute core project (CSG)

Signalling: The role of reactive oxygen species (ROS) and protein kinases/phosphatases in sensing and maintaining epithelial barrier function
Award Reference: BBS/E/B/000C0533

Lead Organisation: Babraham Institute

Initiative: Institute core project (CSG)

Immunology: Understanding the molecular and cellular basis of Immunity: Somatic Hypermutation and Affinity Maturation
Award Reference: BBS/E/B/000C0542

Lead Organisation: Babraham Institute

Initiative: Institute core project (CSG)

Delivering Sustainable Wheat: Delivering Resilience to Biotic Stress (Earlham Institute)
Award Reference: BBS/E/ER/230003B

Lead Organisation: Earlham Institute

Initiative: Institute core project (CSG)

Immunology: Mechanisms of Resilience and Repair: Lymphocyte Recruitment and Retention in Tissues
Award Reference: BBS/E/B/000C0545

Lead Organisation: Babraham Institute

Initiative: Institute core project (CSG)

UK Research and Innovation

BBSRC National Bioscience Research Infrastructure: Germplasm Resources
Award Reference: BBS/E/JI/23NB0001

Lead Organisation: John Innes Centre

Initiative: Institute core project (CSG)

BBSRC National Bioscience Research Infrastructure: Earlham Biofoundry
Award Reference: BBS/E/ER/23NB0007

Lead Organisation: Earlham Institute

Initiative: Institute core project (CSG)

GreenAg – Towards Clean, Green and Net-zero Agriculture – Work package 4 (WP4) Pathways to net-zero+ farming
Award Reference: BBS/E/C/RP1070414

Lead Organisation: Rothamsted Research

Initiative: Institute core project (CSG)

Immunology: Mechanisms of Resilience and Repair: Molecular Mechanisms Regulating Cytokine Production and Tissue Inflammation
Award Reference: BBS/E/B/000C0546

Lead Organisation: Babraham Institute

Initiative: Institute core project (CSG)

GreenAg – Towards Clean, Green and Net-zero Agriculture – Work package 1 (WP1) – A national digital farmland observatory
Award Reference: BBS/E/C/RP1070411

Lead Organisation: Rothamsted Research

Initiative: Institute core project (CSG)

Signalling: Boosting autophagy to improve proteostasis
Award Reference: BBS/E/B/000C0534

Lead Organisation: Babraham Institute

Initiative: Institute core project (CSG)

UK Research and Innovation

Delivering Sustainable Wheat: Targeted Sustainability-Trait Discovery (Earlham Institute)
Award Reference: BBS/E/ER/230003A

Lead Organisation: Earlham Institute

Initiative: Institute core project (CSG)

BBSRC National Bioscience Research Infrastructure: Large Animal Research and Imaging Facility (LARIF)
Award Reference: BBS/E/RL/23NB0003

Lead Organisation: University of Edinburgh

Initiative: Institute core project (CSG)

GreenAg - Towards Clean, Green and Net-zero Agriculture - Work package 2 (WP2) Horizon scanning research- and farmer-led innovations
Award Reference: BBS/E/C/RP1070412

Lead Organisation: Rothamsted Research

Initiative: Institute core project (CSG)

Signalling: Boosting lysosome function to mitigate stress
Award Reference: BBS/E/B/000C0535

Lead Organisation: Babraham Institute

Initiative: Institute core project (CSG)

GreenAg - Towards Clean, Green and Net-zero Agriculture - Work package 5 (WP5) - New agri-environmental data science, methods and tools
Award Reference: BBS/E/C/RP1070415

Lead Organisation: Rothamsted Research

Initiative: Institute core project (CSG)

Delivering Sustainable Wheat: Sustainable Data Frameworks for Wheat (Rothamsted Research)
Award Reference: BBS/E/RH/230001D

Lead Organisation: Rothamsted Research

Initiative: Institute core project (CSG)

UK Research and Innovation

Food and Microbiome and Health (Earlham Institute)
Award Reference: BBS/E/ER/230005A

Lead Organisation: Earlham Institute

Initiative: Institute core project (CSG)

Cellular Genomics (CELLGEN) (Quadram Institute Bioscience)
Award Reference: BBS/E/QU/230004A

Lead Organisation: Quadram Institute Bioscience

Initiative: Institute core project (CSG)

Resilient Crops (Earlham Institute)
Award Reference: BBS/E/ER/230004A

Lead Organisation: Earlham Institute

Initiative: Institute core project (CSG)

Decoding Biodiversity (DECODE) (Quadram Institute Bioscience)
Award Reference: BBS/E/QU/230005A

Lead Organisation: Quadram Institute Bioscience

Initiative: Institute core project (CSG)

Decoding Biodiversity (DECODE) (IBERS)
Award Reference: BBS/E/IB/230002A

Lead Organisation: Aberystwyth University

Initiative: Institute core project (CSG)

Land Use for Net Zero Hub
Award Reference: BB/Y008723/1

Lead Organisation: James Hutton Institute

Initiative: Land Use Net Zero (LUNZ)

OpenCLIM_LANDS: Open Evaluation of Climate-resilient Interventions for Land Management, Soil Health and Net Zero
Award Reference: BB/Z516168/1

Lead Organisation: University of East Anglia

Initiative: Land use for net zero – research (LUNZResearch)

Grassland Resilience for Net Zero: Sustainable practices for shaping the future of UK land use
Award Reference: BB/Z516181/1

Lead Organisation: University of the West of England

Initiative: Land use for net zero – research (LUNZResearch)

Rapid Engagement with Stressed Peatland Environments and Communities in Transformation [RESPECT]
Award Reference: BB/Z516284/1

Lead Organisation: University of Glasgow

Initiative: Land use for net zero – research (LUNZResearch)

Just transformation of food-farming systems: reconciling net zero and other land-use ambitions (JUSTLANZ)
Award Reference: BB/Z51634X/1

Lead Organisation: RSPB

Initiative: Land use for net zero – research (LUNZResearch)

The 'To Zero Fifty' Greenhouse Gas Accounting Living Lab (LUNZResearch)
Award Reference: BB/Z516351/1

Lead Organisation: University of Gloucestershire

Initiative: Land use for net zero – research (LUNZResearch)

An integrated analysis of S-acylation dynamics and its importance in cell physiology
Award Reference: BB/Z517409/1

Lead Organisation: University of Strathclyde

Initiative: Longer and Larger Grants (LoLas)

UK Research and Innovation

Single-molecule proteomics: next-generation analysis of proteins in individual cells
Award Reference: BB/W00349X/1

Lead Organisation: University of Oxford

Initiative: Longer and Larger Grants (LoLas)

Deciphering Cellular Niches and Cross-talk in Human Heart Development (CellTalkHHD)
Award Reference: BB/Y003179/1

Lead Organisation: University of Cambridge

Initiative: Longer and Larger Grants (LoLas)

Exchanges at the haustorial interface: cross-kingdom border control
Award Reference: BB/Z517495/1

Lead Organisation: University of Dundee

Initiative: Longer and Larger Grants (LoLas)

GlycoWeb
Award Reference: BB/Y00311X/1

Lead Organisation: University of Nottingham

Initiative: Longer and Larger Grants (LoLas)

Unlocking the secrets of specialised ribosomes across eukaryotes
Award Reference: BB/X003086/1

Lead Organisation: University of Leeds

Initiative: Longer and Larger Grants (LoLas)

Reappraising the role of whole genome duplication and rediploidization in eukaryotic evolution
Award Reference: BB/Z51746X/1

Lead Organisation: University of Edinburgh

Initiative: Longer and Larger Grants (LoLas)

UK Research and Innovation

Understanding an ancient universal membrane effector system
Award Reference: BB/X003035/1

Lead Organisation: University of York

Initiative: Longer and Larger Grants (LoLas)

Neuromodulatory-prefrontal interactions in primates
Award Reference: BB/W003392/1

Lead Organisation: University of Oxford

Initiative: Longer and Larger Grants (LoLas)

Rules of life in CO2driven microbial communities: Microbiome engineering for a Net Zero future
Award Reference: BB/Y003195/1

Lead Organisation: University of Manchester

Initiative: Longer and Larger Grants (LoLas)

How do RNA-binding proteins control splice site selection?
Award Reference: BB/T000627/1

Lead Organisation: University of Leicester

Initiative: Longer and Larger Grants (LoLas)

Creating and comprehending the circuitry of life: precise biomolecular design of multi-centre redox enzymes for a synthetic metabolism
Award Reference: BB/W003449/1

Lead Organisation: University of Bristol

Initiative: Longer and Larger Grants (LoLas)

Multi-layered bacterial genome defences: linking molecular mechanisms to bacteriaMGE conflicts in single cells, populations, and communities.
Award Reference: BB/X003051/1

Lead Organisation: University of Exeter

Initiative: Longer and Larger Grants (LoLas)

UK Research and Innovation

CircadiAgeing: Clock excitability, circadian rhythms and healthy ageing
Award Reference: BB/Z517458/1

Lead Organisation: University of Bristol

Initiative: Longer and Larger Grants (LoLas)

SUMOcode: deciphering how SUMOylation enables plants to adapt to their environment
Award Reference: BB/V003534/1

Lead Organisation: Durham University

Initiative: Longer and Larger Grants (LoLas)

Regulation of epithelial and endothelial cell-cell junctions by mechanical forces
Award Reference: BB/V003518/1

Lead Organisation: University of Bristol

Initiative: Longer and Larger Grants (LoLas)

Cell Wall Formation in Rod Shaped Bacteria
Award Reference: BB/Y003187/1

Lead Organisation: University of Warwick

Initiative: Longer and Larger Grants (LoLas)

What determines protein abundance in plants?
Award Reference: BB/T002182/1

Lead Organisation: Rothamsted Research

Initiative: Longer and Larger Grants (LoLas)

Generalised Photocatalysis by Enzymes (GENPENZ)
Award Reference: BB/X003027/1

Lead Organisation: University of Manchester

Initiative: Longer and Larger Grants (LoLas)

Rewriting The Genetic Code: The Algal Plastome As A Testbed For Basic And Applied Studies
Award Reference: BB/W003538/1

Lead Organisation: University College London

Initiative: Longer and Larger Grants (LoLas)

Novel Plastizymes: discovery and improvement of plastic-degrading enzymes by integrated cycles of computational and experimental approaches
Award Reference: BB/X00306X/1

Lead Organisation: University of Cambridge

Initiative: Longer and Larger Grants (LoLas)

Origins of Biology: How energy flow structures metabolism and heredity at the origin of life
Award Reference: BB/V003542/1

Lead Organisation: University College London

Initiative: Longer and Larger Grants (LoLas)

National Biofilms Innovation Centre
Award Reference: BB/X002950/1

Lead Organisation: University of Southampton

Initiative: National Biofilms Phase 2

Biomass Biorefinery Network (BBNet)
Award Reference: BB/S009779/1

Lead Organisation: University of York

Initiative: Networks in Industrial Biotechnology and Bioenergy (NIBB)

ELIXIR-UK coordination office
Award Reference: UKRI1384

Lead Organisation: Earlham Institute

Initiative: Not supplied

ReImagining Supply Chains Network Plus (RiSC+)
Award Reference: BB/Z51519X/1

Lead Organisation: Queen's University Belfast

UK Research and Innovation

Initiative: ReImagining Supply Chains Network Plus (RiSC+)

CoCentre for Sustainable Food Systems
Award Reference: BB/Y012909/1

Lead Organisation: University of Sheffield

Initiative: SUstainable and REsilient FOOD systems (SUREFOOD-I)

AQUASoS: an integrative scalable interdisciplinary approach for climate resilient sustainable SE Asian aquaculture
Award Reference: UKRI288

Lead Organisation: University of Stirling

Initiative: Sustainable and Resilient Aquaculture Systems in Southeast Asia

Working towards Adaptive and Versatile Environmental Sustainability in mollusc aquaculture (WAVES)
Award Reference: UKRI276

Lead Organisation: University of Southampton

Initiative: Sustainable and Resilient Aquaculture Systems in Southeast Asia

Early intervention systems for sustainable aquaculture health in Viet Nam and Thailand
Award Reference: UKRI274

Lead Organisation: University of the West of Scotland

Initiative: Sustainable and Resilient Aquaculture Systems in Southeast Asia

GLOBALSEAWEED PROTECT: conserve, improve, innovate, manage and empower for a resilient seaweed aquaculture industry
Award Reference: UKRI275

Lead Organisation: Natural History Museum

Initiative: Sustainable and Resilient Aquaculture Systems in Southeast Asia

Co-production of healthy, sustainable food systems for disadvantaged communities
Award Reference: BB/V004905/1

Lead Organisation: University of Reading

Initiative: Transforming the UK food system

Transforming Urban Food Systems for Planetary and Population Health (The Mandala Consortium)
Award Reference: BB/V004832/1

Lead Organisation: University of Cambridge

Initiative: Transforming the UK food system

Healthy soil, Healthy food, Healthy people (H3)
Award Reference: BB/V004719/1

Lead Organisation: University of Sheffield

Initiative: Transforming the UK food system

Transformations to Regenerative Food Systems
Award Reference: BB/V004581/1

Lead Organisation: University of York

Initiative: Transforming the UK food system

FIO-FOOD, Food Insecurity in people living with Obesity improving sustainable and healthier food choices in the retail FOOD environment.
Award Reference: BB/W018020/1

Lead Organisation: University of Aberdeen

Initiative: Transforming the UK food system

'Raising the Pulse' (RtP): Systems analysis of the environmental, nutritional and health benefits of pulse-enhanced foods
Award Reference: BB/W017946/1

Lead Organisation: University of Reading

Initiative: Transforming the UK food system

Pasture to Plate (P2P): realising the enormous potential of UK grasslands
Award Reference: BB/W018012/1

Lead Organisation: Harper Adams University



Initiative: Transforming the UK food system