

Summary of current BBSRC awards greater than £2M on 01 May 2018

| Grant Reference | Title | PI Name | Lead Research Organisation* | Grant/Award type |
|------------------------|--|----------------------|------------------------------------|---|
| BB/J002631/1 | The interplay of rodent behaviour and semiochemistry: from scientific principles to control strategies | Professor JL Hurst | University of Liverpool | Longer and Larger Grants (LoLas) |
| BB/J003557/1 | Wheat Genomics for Sustainable Agriculture | Professor MW Bevan | John Innes Centre | Longer and Larger Grants (LoLas) |
| BB/K003240/2 | Engineering Synthetic Microbial Communities for Biomethane Production | Professor O Soyer | University of Warwick | Longer and Larger Grants (LoLas) |
| BB/M018210/1 | Developing platforms for the production of diterpenoids | Professor IA Graham | University of York | Industrial Biotechnology Catalyst (IBCAT) |
| BB/M018237/1 | A Combinatorial Approach to Enhance Production of Monoclonal Antibodies | Professor R J White | University of York | Industrial Biotechnology Catalyst (IBCAT) |
| BB/M028992/1 | Large scale lentiviral vector production | Dr M Pule | University College London | Industrial Biotechnology Catalyst (IBCAT) |
| BB/M028941/1 | Chemo-enzymatic Production of Specialty Glycans | Professor B Linclau | University of Southampton | Industrial Biotechnology Catalyst (IBCAT) |
| BB/M029034/1 | Glycoenzymes for Bioindustries | Professor S Flitsch | The University of Manchester | Industrial Biotechnology Catalyst (IBCAT) |
| BB/N01040X/1 | DeTOX - Productive whole cell biocatalysis by engineering resistance to toxic products and substrates | Professor GH Thomas | University of York | Industrial Biotechnology Catalyst (IBCAT) |
| BB/N003608/1 | Managing the Nitrogen economy of bacteria | Professor M Buck | Imperial College London | Longer and Larger Grants (LoLas) |
| BB/M018288/1 | A new generation of E. coli expression hosts and tools for recombinant protein production | Professor C Robinson | University of Kent | Industrial Biotechnology Catalyst (IBCAT) |
| BB/N023455/1 | MaxBio - Maximizing Conversion Yields in Biorefining | Professor C Halpin | University of Dundee | Industrial Biotechnology Catalyst (IBCAT) |

Summary of current BBSRC awards greater than £2M on 01 May 2018

| Grant Reference | Title | PI Name | Lead Research Organisation* | Grant/Award type |
|------------------------|---|-------------------------|------------------------------------|---|
| BB/N023773/1 | ConBioChem: Continuous bio-production of commodity chemicals | Professor G Stephens | University of Nottingham | Industrial Biotechnology Catalyst (IBCAT) |
| BB/N023536/1 | A Synthetic Biology Approach for the Total Biosynthesis of Semi-Synthetic Antibiotics | Professor J Micklefield | The University of Manchester | Industrial Biotechnology Catalyst (IBCAT) |
| BB/N02060X/1 | IKnowFood: Integrating Knowledge for Food Systems Resilience | Professor B Doherty | University of York | Food System Resilience (FSRD) |
| BB/K002341/1 | Exploiting natural product assembly line genomics and synthetic biology for discovery and optimisation of novel agrochemicals | Professor GL Challis | University of Warwick | Longer and Larger Grants (LoLas) |
| BB/K002465/1 | Developing Rapid Responses to Emerging Virus Infections of Poultry (DRREVIP) | Dr MA Skinner | Imperial College London | Longer and Larger Grants (LoLas) |
| BB/K00283X/1 | GASCHEM: Optimising industrial gas fermentation for commercial low-carbon fuel & chemical production through systems and synthetic biology approaches | Professor N Minton | University of Nottingham | Longer and Larger Grants (LoLas) |
| BB/K003097/1 | Systems Biology analysis of biological timers and inflammation | Professor MRH White | The University of Manchester | Longer and Larger Grants (LoLas) |
| BB/K003356/1 | A platform for rapid and precise DNA module rearrangements in Synthetic Biology | Professor M Stark | University of Glasgow | Longer and Larger Grants (LoLas) |
| BB/K003801/1 | The Molecular Biology of FMDV Replication: Towards New Methods of FMDV Disease Control. | Professor MD Ryan | University of St Andrews | Longer and Larger Grants (LoLas) |
| BB/L001330/1 | Understanding influenza A virus: linking transmission, evolutionary dynamics, pathogenesis and immunity in pigs | Dr B Charleston | The Pirbright Institute | Longer and Larger Grants (LoLas) |
| BB/L001489/1 | Multiple Herbicide Resistance in Grass Weeds: from Genes to AgroEcosystems | Professor R Edwards | Newcastle University | Longer and Larger Grants (LoLas) |

Summary of current BBSRC awards greater than £2M on 01 May 2018

| Grant Reference | Title | PI Name | Lead Research Organisation* | Grant/Award type |
|------------------------|--|-------------------------------|------------------------------------|--|
| BB/L001926/1 | Learning from marine wood borers; enzymes and mechanisms of lignocellulose digestion | Professor S McQueen-Mason | University of York | Longer and Larger Grants (LoLas) |
| BB/L002124/1 | BBSRC Renewable Industrial Products from Rapeseed (RIPR) Programme | Professor I Bancroft | University of York | Longer and Larger Grants (LoLas) |
| BB/L002817/1 | A SPATIO-TEMPORAL MAP OF THE DEVELOPMENTAL FLY INTERACTOME | Professor S Hubbard | The University of Manchester | Longer and Larger Grants (LoLas) |
| BB/L002957/1 | Algal oils by design: a new biotech platform for high-value lipids. | Professor S Purton | University College London | Longer and Larger Grants (LoLas) |
| BB/L01386X/1 | BrisSynBio: Bristol Centre for Synthetic Biology | Professor DN Woolfson | University of Bristol | Synthetic Biology Research Centres (SBRC) |
| BB/L013940/1 | SBRC NOTTINGHAM: Sustainable Routes to Platform Chemicals | Professor N Minton | University of Nottingham | Synthetic Biology Research Centres (SBRC) |
| BB/L014130/1 | OpenPlant | Professor Sir D Baulcombe | University of Cambridge | Synthetic Biology Research Centres (SBRC) |
| BB/L018926/1 | Social, Economic and Environmental Drivers of Zoonoses in Tanzania (SEEDZ) | Professor S Cleaveland | University of Glasgow | Zoonoses and Emerging Livestock Systems (ZELS) |
| BB/L018977/1 | ETHICOBOTS (Ethiopia Control of Bovine Tuberculosis Strategies) | Professor J Wood | University of Cambridge | Zoonoses and Emerging Livestock Systems (ZELS) |
| BB/L019019/1 | Zoonoses in Livestock in Kenya (ZooLINK) | Professor EM Fevre | University of Liverpool | Zoonoses and Emerging Livestock Systems (ZELS) |
| BB/M000265/1 | Engineering new capacities for solar energy utilisation in bacteria | Krebs Professor of B N Hunter | University of Sheffield | Longer and Larger Grants (LoLas) |
| BB/M000354/1 | Innovative Routes to Monoterpene Hydrocarbons and Their High Value Derivatives | Professor NS Scrutton | The University of Manchester | Longer and Larger Grants (LoLas) |
| BB/M002969/1 | Development of supramolecular assemblies for enhancing cellular | Professor MJ Warren | University of Kent | Longer and Larger Grants (LoLas) |

Summary of current BBSRC awards greater than £2M on 01 May 2018

| Grant Reference | Title | PI Name | Lead Research Organisation* | Grant/Award type |
|-----------------|--|--------------------------|---|---|
| | productivity and the synthesis of fine chemicals and biotherapeutics. | | | |
| BB/M00354X/1 | Systems-level characterization of mammalian cell cycle transitions | Professor B Novak | University of Oxford | Longer and Larger Grants (LoLas) |
| BB/M003949/1 | The BUG consortium Building Upon the Genome: using H. contortus genomic resources to develop novel interventions to control endemic GI parasites | Professor E Devaney | University of Glasgow | Longer and Larger Grants (LoLas) |
| BB/M017702/1 | CENTRE FOR SYNTHETIC BIOLOGY OF FINE AND SPECIALITY CHEMICALS | Professor NS Scrutton | The University of Manchester | Synthetic Biology Research Centres (SBRC) |
| BB/M017982/1 | Warwick Integrative Synthetic Biology Centre | Professor JEG McCarthy | University of Warwick | Synthetic Biology Research Centres (SBRC) |
| BB/M018040/1 | SynthSys-Mammalian: Edinburgh Mammalian Synthetic Biology Research Centre | Professor SJ Rosser | University of Edinburgh | Synthetic Biology Research Centres (SBRC) |
| BB/N001591/1 | Glycoengineering of Veterinary Vaccines | Professor B Wren | London Sch of Hygiene and Trop Medicine | Longer and Larger Grants (LoLas) |
| BB/N002628/1 | Releasing natural variation in bread wheat by modulating meiotic crossovers | Professor K Edwards | University of Bristol | Longer and Larger Grants (LoLas) |
| BB/N013468/1 | UK - China Virtual Joint Centre for Improved Nitrogen Agronomy (CINAG) | Dr T Misselbrook | Rothamsted Research | Newton Fund - Virtual Joint Centres with Brazil, China & India in Agricultural Nitrogen (NNF) |
| BB/N013484/1 | N-CIRCLE: Virtual Joint Centre for Closed-Loop Cycling of Nitrogen in Chinese Agriculture | Professor P Smith | University of Aberdeen | Newton Fund - Virtual Joint Centres with Brazil, China & India in Agricultural Nitrogen (NNF) |
| BB/P001335/1 | Architecture of a biofilm | Professor N Stanley-Wall | University of Dundee | Longer and Larger Grants (LoLas) |

Summary of current BBSRC awards greater than £2M on 01 May 2018

| Grant Reference | Title | PI Name | Lead Research Organisation* | Grant/Award type |
|------------------------|--|------------------------|--|--|
| BB/P003095/1 | Brassica Rapeseed And Vegetable Optimisation | Professor L Ostergaard | John Innes Centre | Longer and Larger Grants (LoLas) |
| BB/P003117/1 | Activation of Non-Photosynthetic Leaf Cells for Improved Productivity | Professor J Hibberd | 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 | Professor TDH Bugg | 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 | Professor TG Benton | University of Leeds | RC GCRF |
| BB/P027806/1 | GCRF GlobalSeaweed* - Safeguarding the future of seaweed aquaculture in developing countries | Dr E Cottier-Cook | Scottish Association For Marine Science | RC GCRF |
| BB/P027849/1 | Capacity building for bioinformatics in Latin America | Dr C E L Brooksbank | EMBL - European Bioinformatics Institute | RC GCRF |
| BB/P02789X/1 | GCRF establishment of biopharmaceutical and animal vaccine production capacity in Thailand and neighbouring South East Asian countries | Professor C Robinson | University of Kent | RC GCRF |
| BB/P027954/1 | GCRF: One Health Regional Network for the Horn of Africa (HORN) | Professor M Baylis | University of Liverpool | RC GCRF |
| BB/P027970/1 | Transforming India's Green Revolution by Research and Empowerment for Sustainable food Supplies | Professor H Griffiths | University of Cambridge | RC GCRF |
| BB/P028098/1 | Preserving, Restoring and Managing Colombian Biodiversity Through Responsible Innovation | Professor F Di Palma | Earlham Institute | RC GCRF |
| BB/R012415/1 | National Biofilms Innovation Centre | Professor JS Webb | University of Southampton | UK Biofilms Programme Biofilms Innovation Centre (IKC) |

Summary of current BBSRC awards greater than £2M on 01 May 2018

| Grant Reference | Title | PI Name | Lead Research Organisation* | Grant/Award type |
|------------------------|--|----------------------|------------------------------------|--|
| N/A | Epigenetics and cellular heterogeneity in development and ageing | Wolf Reik | Babraham Institute | Institute Strategic Programme Grant (ISPG) |
| N/A | Molecular mechanisms underpinning healthy ageing | Len Stephens | Babraham Institute | Institute Strategic Programme Grant (ISPG) |
| N/A | Molecular and Cellular Mechanisms of Host Defence and Immunosenescence | Martin Turner | Babraham Institute | Institute Strategic Programme Grant (ISPG) |
| N/A | Genomes to Food Security | Federica Di Palma | Earlham Institute | Core Strategic Programme Grant (CSPG) |
| N/A | Resilient Crops | Iain Donnison | IBERS | Core Strategic Programme Grant (CSPG) |
| N/A | Genes In The Environment | Lars Østergaard | John Innes Centre | Institute Strategic Programme Grant (ISPG) |
| N/A | Molecules from Nature | Alison Smith | John Innes Centre | Institute Strategic Programme Grant (ISPG) |
| N/A | Plant Health | Richard Morris | John Innes Centre | Institute Strategic Programme Grant (ISPG) |
| N/A | Designing Future Wheat | Graham Moore | John Innes Centre | Institute Strategic Programme Grant (ISPG) |
| N/A | Blueprints for Healthy Animals | Mick Watson | Roslin Institute | Institute Strategic Programme Grant (ISPG) |
| N/A | Control of Infectious Diseases | David Gally | Roslin Institute | Institute Strategic Programme Grant (ISPG) |
| N/A | Improving Animal Production & Welfare | Simone Meddle | Roslin Institute | Institute Strategic Programme Grant (ISPG) |
| N/A | Tailoring Plant Metabolism for the Bioeconomy | Frederica Theodoulou | Rothamsted Research | Institute Strategic Programme Grant (ISPG) |

Summary of current BBSRC awards greater than £2M on 01 May 2018

| Grant Reference | Title | PI Name | Lead Research Organisation* | Grant/Award type |
|------------------------|---|----------------|------------------------------------|--|
| N/A | Soil to Nutrition (Optimising Nutrient Flow) | Michael Lee | Rothamsted Research | Institute Strategic Programme Grant (ISPG) |
| N/A | Achieving Sustainable Agricultural Systems (ASSIST) | Jon Storkey | Rothamsted Research | Institute Strategic Programme Grant (ISPG) |
| N/A | Enhanced host responses for disease control | John Hammond | The Pirbright Institute | Institute Strategic Programme Grant (ISPG) |
| N/A | Understanding and preventing viral diseases | Tobias Tuthill | The Pirbright Institute | Institute Strategic Programme Grant (ISPG) |
| N/A | Smart Crop Protection | Paul Neve | Rothamsted Research | Research grant (ISCF) |

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

* Awards may involve collaboration between researchers based in different Research Organisations, only the lead organisation is shown