

Portfolio Analyser User Guidance

BBSRC



Portfolio Analyser provides facilities for the searching and analysis of current and completed research grants, Institute projects, fellowships, studentships, and training grants which are funded by the Biotechnology and Biological Sciences Research Council through various awards. These awards are held at universities, institutes strategically funded by BBSRC and other recognised research organisations in the United Kingdom.

It also provides facilities for the investigation of publications and other outputs from the institutes strategically funded by BBSRC such as journals, books, conference proceedings, reports, theses, articles, patents, computer programs, protein and DNA sequences, plant varieties and agricultural models.

PORTFOLIO ANALYSER USER GUIDANCE

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1. Introduction

Portfolio Analyser provides facilities for the searching and analysis of current and completed research grants, Institute projects, fellowships, studentships, and training grants which are funded by the Biotechnology and Biological Sciences Research Council through various awards. These awards are held at universities, institutes strategically funded by BBSRC and other recognised research organisations in the United Kingdom.

It also provides facilities for the investigation of publications and other outputs from the institutes strategically funded by BBSRC such as journals, books, conference proceedings, reports, theses, articles, patents, computer programs, protein and DNA sequences, plant varieties and agricultural models.

Use of Portfolio Analyser is subject to the [BBSRC website Terms of use](#) and to specific additional [Terms and Conditions](#).

2. Accessing Portfolio Analyser

Portfolio Analyser is accessed via the [Our Science](#) section of the [BBSRC website](#), with access to the Awards section provided via [Search awarded grants](#) and access to the Publications section available via [Search institute publications](#).

The screenshot displays the BBSRC website's 'Our science' page. At the top, there is a navigation bar with links for 'Skip to content', 'Accessibility', 'Help', 'Advanced search', and a search box. Below this is the BBSRC logo and a header image of a scientist. The main navigation menu includes 'Home', 'News, features and events', 'Funding research', 'Working with business', 'Science in society', 'Our organisation', 'Our science', and 'Publications'. The 'Our science' menu item is circled in red. The page content is organized into several sections: 'Home:' with a list of navigation options; 'Our science' with an introductory paragraph and a list of sub-sections; 'Related links' with a 'Spending overview' link; 'Downloads' with links to a 'Strategic Plan 2010-2015' and a 'Knowledge exchange and commercialisation policy'; and a list of sub-sections: 'Our science explained', 'Our portfolio', 'Strategic overview', 'Search awarded grants', 'Search institute publications', 'Our impact', and 'Multidisciplinary research'. The 'Search awarded grants' and 'Search institute publications' sections are circled in red. The 'Search awarded grants' section includes the text: 'Search BBSRC funded research and training (previously known as the OASIS database)'. The 'Search institute publications' section includes the text: 'The publications system includes data on outputs resulting from the research carried out at currently and previously BBSRC-supported research institutes.'

Awards

The Awards section home page of Portfolio Analyser provides access to the search and analysis facilities, a guide for users, an indication of the last data update and details of the size of the current portfolio.

The screenshot displays the BBSRC Portfolio Analyser Awards section. At the top, there is a search bar and navigation links: Skip to content, Accessibility, Help, Advanced search, and a search input field. The BBSRC logo is on the left, and a scientist in a lab coat is on the right. The navigation menu includes Home, News, features and events, Funding research, Working with business, Science in society, Our organisation, Our science (highlighted), and Publications. The breadcrumb trail reads: Home > Our science > Search awarded grants. The sidebar under 'Our science:' lists various categories, with 'Search awarded grants' circled in red. The main content area is titled 'Search awarded grants' and 'Portfolio Analyser'. It provides a description of the system, search instructions, and a 'Related Links' section with 'Recent grant awards'. At the bottom, there are three search options: 'Quick grants search' (Short search form for instant results), 'Advanced grants search' (Detailed search form), and 'Awards user guide' (Help with using the system). The statistics section states: 'This system is updated regularly, it was last updated on Friday, January 21, 2011. BBSRC has 2,830 current awards with a total value of £1,224,748,182.' A large red oval highlights the search options and user guide links.

Publications

The Publications section home page of Portfolio Analyser provides access to the search and analysis facilities, a guide for users and details of the size of the current portfolio.

Skip to content | Accessibility | Help | Advanced search Search

BBSRC
bioscience for the future

Home | News, features and events | Funding research | Working with business | Science in society | Our organisation | **Our science** | Publications

Home > Our science > Search institute publications

Our science:

- Our science explained
- Our portfolio
- Strategic overview
- Search awarded grants
- Search institute publications**
 - Search publications
 - Publications user guide
- Our impact
- Multidisciplinary research
- Systems approach
- International research
- Topical issues
- Report administration

Search institute publications

Portfolio Analyser

The Publications system includes data on outputs resulting from the research carried out at current and previous [institutes of BBSRC](#). Data have been collected since 1997, and types of output include papers in refereed journals, book chapters, etc. edited externally, edited and non-edited contributions to conferences/learned societies, non-confidential technical reports, books edited/written by staff, theses, articles in popular magazines and other technical publications, patents granted and applied for, computer programs, protein or DNA sequences submitted, plant varieties granted and applied for, and agricultural models.

The system is updated biannually in the Spring and Autumn each year.

The system contains details of **38,457** publications.

- Search publications**
Find publications and other outputs from institutes of BBSRC
- Publications user guide**
Help with using the system

3. Data Currency

The Awards section of Portfolio Analyser is updated weekly. Details of the current update are provided on the home page of the system.

Institute publications data is updated biannually during Spring and Autumn.

4. Quick Start

Awards

EITHER

1. Use the Quick ([Section 6.2](#)) or Advanced Search ([Section 6.7](#)) to define a search strategy.
 - a. Select at least one Award Type and Award Status in the Filter for the search to operate. The default settings will return a list ([Section 6.3](#)) of all current awards.
 - b. If required, add search terms
 - c. If required, select any additional search criteria
2. Submit the search strategy to retrieve a result set as a list of matching awards.
3. From the awards list either
 - a. Drill down to the details of a specific award of interest ([Section 6.4](#)) OR
 - b. Use the Summary ([Section 6.8](#)) or Custom Reports ([Section 6.9](#)) to further analyse the result set.

OR

4. Run a pre-defined Standard Report ([Section 6.6](#))

Publications

1. Use the Publications Search ([Section 7.2](#)) to define a search strategy, adding search terms or using any of the supplied search criteria as required.
2. Submit the search strategy to retrieve a result set as a list of matching publications or other outputs.

5. Definitions

Associated Award

In some cases, a relationship may exist between two or more awards, for example when more than one award is part of the same research project. These associations, where present, are highlighted within the details provided on each award.

Award Type

An indicator of the purpose of the award. BBSRC awards support research and postgraduate skills development. These are further subdivided within the Advanced Search into the following categories:

Research

Research Grants - research grants provide researchers with support to undertake excellent scientific research in which the applicant(s) will be personally involved and which will deliver academic, economic and societal impacts. Funding for projects up to £2M is available through responsive mode. Larger programmes are funded through special schemes. Further details of all current research funding schemes are available on the [BBSRC website](#).

Institute Projects - research activity at institutes strategically funded by BBSRC previously supported via the Core Strategic Grant and now via Institute Strategic Programme Grants.

Fellowships - schemes which are supported by BBSRC to enable scientists to devote their time to independent research and scholarships. Details of the current fellowship schemes are provided in the [BBSRC Fellowships handbook](#)

Skills

Studentships - the term used for directly (not Training Grant) funded studentships that provide an opportunity for graduates to receive one year's Masters training or three or four years PhD training in research, research methods and employment-related skills.

Training Grants - funding for four-year PhD studentships and one-year Masters studentships awarded directly to university departments and other organisations (not to students) to allow institutions greater flexibility over the duration of the award and the level of stipend offered. Departments and supervisors then advertise for students. Training Grants are awarded under the [Training Grant Terms and Conditions](#) which have been agreed across Research Councils and are accessible on BBSRC's website.

Students - the term used to identify students funded by BBSRC Training Grants.

At least one award type **must** be selected to carry out a search of the Awards System.

Award Status

An indicator of whether the award is active (i.e. current) or completed. Note that Institute Projects are updated on an annual basis in July and may be shown as current if they are active at any point during the current or forecast financial year.

At least one award status **must** be selected to carry out a search of the Awards System.

Award Value

Expressed in UK pounds £, this is:

- Research grants, fellowships, training grants - the total actual amount awarded to an Institution for the lifetime of the award
- Institute projects – the sum of the actual and currently planned (forecast year) spend
- Studentships – the sum of the average annual cost of each active year of the studentship
- Students – set to zero as these are funded via a Training Grant

Committee

BBSRC science programmes are administered via committees, each dealing with applications for funding in the major areas of the council's scientific remit. The committee processing an award provides an indication of the nature of research or training being undertaken.

BBSRC occasionally reorganises its committees and therefore past awards may reflect the structures in place at the time of issuing the award. Details of the **current BBSRC Committees** are available from the BBSRC website.

Current

An award which has started and is active, or a completed award awaiting financial reconciliation or action.

Custom Report

A facility that allows the user to design a detailed report to analyse a set of search results by defining what data columns should be included and their order. The report provides subtotalling facilities and the ability to further drill down to awards 'sub' list and the details of a specific award.

Initiative

BBSRC operates a number of initiatives to encourage specific research activity. Initiatives generally have a specific research focus and may have specific eligibility or application requirements. Details of **current and past Initiatives** are available from the BBSRC website.

Institutes strategically funded by BBSRC

The institutes deliver innovative, world class bioscience research and training, leading to wealth and job creation, generating high returns for the UK economy. They have strong links with business, industry and the wider community, and support policy development.

The institutes' research underpins key sections of the UK economy such as agriculture, bioenergy, biotechnology, food and drink and pharmaceuticals. In addition, the institutes maintain unique research facilities of national importance.



The **Pirbright Institute**, formerly known as the Institute for Animal Health (IAH), is a world-leading centre of excellence for research into infectious diseases of farm animals, to advance the knowledge of veterinary and medical science, and to enhance the sustainability of livestock farming.



The **Babraham Institute** undertakes innovative biomedical research to discover the molecular mechanisms that underlie normal cellular processes and functions, and how, over lifetime, their failure or abnormality may lead to disease.



The **Institute of Biological, Environmental and Rural Sciences (IBERS)** is a world class research and education centre at Aberystwyth University.



The **Institute of Food Research (IFR)** is a world leader in research into harnessing food for health and controlling food-related diseases.



The **John Innes Centre (JIC)** contributes over £170M annually to the UK economy and is an international centre of excellence in plant science and microbiology.



The **Earlham Institute**, formerly The Genome Analysis Centre (TGAC), is a national genomics and bioinformatics centre which addresses problems in agriculture, sustainable energy, food and nutrition, through novel approaches in genomics and specialising in genomics technology, high throughput data analysis, advanced bioinformatics and innovation.



The **Roslin Institute** is a BBSRC institute incorporated with the Royal (Dick) School of Veterinary Studies.



Rothamsted Research is the largest agricultural research centre in the UK.

Research Priority

BBSRC has a set of Council-wide strategic research priorities that are applicable to the research grants portfolio. The current priorities were introduced in 2009 and will therefore only apply to awards from 2009 onwards.

Research Topic

The classification scheme used to categorise the nature of BBSRC's research portfolio. This classification has currently only been applied to awards active as at April 2008 onwards and therefore does not cover the full portfolio. More recent awards may also still be awaiting classification and therefore the information should be checked for updates.

Scheme

Funding schemes operated by BBSRC to encourage specific research or training activity and / or that may have specific eligibility or application requirements. The following schemes are currently included:

Industrial Partnership Awards (IPA) – science-led, responsive mode grants where the industrial partner contributes in cash at least 10% of the full economic costs of the project.

International Partnering Awards – aim to set up partnership links between the UK and overseas laboratories; to promote the exchange of scientists; to promote access to facilities.

Studentship (Not funded via Training Grant) - the term used for a directly funded studentship that provides an opportunity for graduates to receive one year's Masters training or three or four years PhD training in research, research methods and employment-related skills.

Student (Funded via Training Grant) - the term used to identify students funded by BBSRC Training Grants. Training Grants provide funding for four-year PhD studentships and one-year Masters studentships and are awarded directly to university departments and other organisations to allow institutions greater flexibility over the duration of the award and the level of stipend offered. Departments and supervisors then advertise for students. Training Grants are awarded under the [Training Grant Terms and Conditions](#) which have been agreed cross Council and are accessible on BBSRC's website.

Standard Report

A predefined report on a specific aspect of BBSRC's supported research and skills portfolio.

Summary Report

A facility that allows the user to select one or up to three predefined simple reports at any one time to analyse a set of search results. The reports provide the ability to further drill down to awards 'sub' lists and the details of a specific award.

Year

Portfolio Analyser data is based on a 'calendar' year.

6. Searching & analysing awards

6.1 Overview

The Awards section of Portfolio Analyser provides facilities to:

- define and execute a simple 'quick' search ([Section 6.2](#))
- define and execute a complex 'advanced' search strategy ([Section 6.7](#))
- retrieve a result set as a list of matching awards – the Awards List ([Section 6.3](#))
- retrieve the details of a specific award – Award Details ([Section 6.4](#))
- retrieve the details of a specific investigator or supervisor – Person Details ([Section 6.5](#))
- analyse a result set using simple 'summary' report ([Section 6.8](#))
- build a user defined 'custom' report to analyse a result set ([Section 6.9](#))
- run pre-defined 'standard' reports ([Section 6.6](#))
- export or download any required data ([Section 11](#))

6.2 Using Quick Search

Use the Quick Search to define a search strategy and retrieve a result set as a list of matching awards ([Section 6.3 - Awards List](#)). Alternatively, enter the BBSRC reference number to directly view the details ([Section 6.4](#)) of a specific award or run a pre-defined 'standard' report ([Section 6.6](#)).

The Quick Search is accessed via the 'home' page of the Awards section of Portfolio Analyser.

Quick Search

Search the database of research and skills awards. Set the filter, enter complete or partial information [using Booleans or wildcards](#), or use the lookups or dropdown lists to return details of matching awards.

Text Search

2

Institution

3 **Institution Lookup**

Investigator / Supervisor

4 **Person Lookup**

Committee

5 **6**

SUBMIT **CLEAR FORM** **ADVANCED**

Filter

At least one award type and award status must be selected.

Award Type

Research

Skills **1**

Award Status

Current

Completed

BBSRC Reference

To directly view details of any award, enter its BBSRC reference number here

7 **FIND**

Standard reports

A selection of pre-defined reports

- **Institution Summary**
- **Region Summary**
- 8 • **Committee Summary**
- **Initiative Summary**
- 9 [More standard reports](#)

EITHER

Search the award portfolio

1. Select at least one Award Type and Award Status in the Filter **1** for the search to operate. The default settings will return a list of all current awards.
2. If required, further define the search strategy using one or more of the following criteria:
 - **Text Search** **2** - enter complete or partial search terms **using wildcards or Boolean operators**
 - **Institution** **3** - use the Institution Lookup to find and select the required award institution
 - **Investigator / Supervisor** **4** - use the Person Lookup to find and select the required individual associated with an award either as Principal Investigator, Co-Investigator, Supervisor or Student
 - **BBSRC Committee** **5** - select a current or past BBSRC Committee from the drop down list.

*Details of how Boolean operators are used to link the different search criteria provided in the Quick Search are available in **Annex 1**.*

3. Click **Submit** **6** to run the search query and return a list of matching Awards. Alternatively, **Clear the form** and re-define a search strategy.

OR

Locate a specific award

4. If known, enter the reference number of the award in the BBSRC Reference field **7** to directly view the details of a specific award. The reference number must be entered in full, including all occurrences of / (a forward slash) e.g. BB/H014241/1

OR

Run a pre-defined standard report

5. If preferred, run one of the pre-defined standard reports listed on the Quick Search or supplementary standard reports page **8** **9**.

6.3 The Awards List

The Awards list provides a listing of summary information on each award either matching a search strategy defined via Quick Search ([Section 6.2](#)) or Advanced Search ([Section 6.7](#)), or forming part of a Summary Report ([Section 6.8](#)) or Custom Report ([Section 6.9](#)). The following information is provided on each award:

- reference
- title
- principal Investigator / supervisor name
- award institution
- value (£)
- status
- award type

Facilities are available to:

- view and modify (if required) the details of the search strategy generating the awards list **1** ;
- modify the number of records displayed per page **2** ;
- reorder the list by clicking the header of the required column **3** ;
- view the details of an award by clicking on the title of a specific record in the list **4** ;
- export the results as XML, XLS (Excel), CSV, or a PDF file by selecting the required option **5** . The [Terms & Conditions of Use](#) must be accepted before the data can be exported.
- analyse the list of awards by creating a Custom Report **6** ;
- analyse the list of awards by creating Summary Reports **7** ;
- navigate through each page of search results in the list of awards **8** .

Awards list

Current query:

Award Type: *Research; Skills*

Award Status: *Current*

Institution: *Cardiff University*

Total No Of Results: *31*

[+ add or modify criteria](#)

[new search](#)

1

Showing Results 1 - 10 of 31

Number of results to display:

10

2

Reference	Title	Principal Investigator/ Supervisor	Institution	Value £	Status	Type
BB/H001085/1	Comprehensive analysis of T-cell receptor degeneracy and T-cell crossreactivity	Professor Andrew Sewell	Cardiff University	2,932,789	Current	Research Grant
BB/H002758/1	Identification and function of sex pheromones and their receptors in Drosophila	Dr Wynand van der Goes van Naters	Cardiff University	319,281	Current	Research Grant
BB/H006176/1	Attention and predictive learning	Professor John Martindale Pearce	Cardiff University	459,737	Current	Research Grant
BB/H006575/1	Multiphoton microscopy of lipid-protein dynamics in living cells using correlative Coherent Antistokes Raman Scattering and Two-Photon Fluorescence	Dr Paola Borri	Cardiff University	460,970	Current	Research Grant
BB/I004661/1	iSAM: Integrative Systems Analysis of the Shoot Apical Meristem	Professor James Murray	Cardiff University	668,893	Current	Research Grant
BB/F016352/1	Doctoral Training Grant	Professor Andrew Quantock	Cardiff University	229,040	Current	Training Grants
BB/F016557/1	Doctoral Training Grant	Professor Paul Jeffrey Kemp	Cardiff University	1,068,838	Current	Training Grants
BB/G016615/1	Gene expression in male germline of pest insects	Dr Helen White-Cooper	Cardiff University	74,410	Current	Training Grants
BB/G016887/1	Dissecting the mechanism of Wnt signal transduction using chemical probes	Professor Trevor Dale	Cardiff University	74,410	Current	Training Grants
BB/G016895/1	In vivo examination of viral exacerbations of airways inflammation, function, mucus hypersecretion and mucociliary clearance	Professor Kenneth Broadley	Cardiff University	74,410	Current	Training Grants

3

4

I accept the [terms and conditions of use](#)

[export XML file](#)

[export XLS file](#)

[export CSV file](#)

[export PDF file](#)

5

Analyse the awards list by selecting one of [more predefined Summary Reports](#) or configure [your own Custom Report](#).

6

7

create custom report using results



create summary report using results



1

2

3

4

8

6.4 Award Details

The details of a specific award, including who is undertaking the work, where it is being done and the nature and scope of the research. Information is provided (if available) on:

- title
- BBSRC reference number
- principal investigator / supervisor
- co -investigators / co-supervisors
- award institution
- award department
- funding type
- value (£)
- status
- award type
- start date
- end date
- duration
- technical abstract
- lay summary
- impact summary
- BBSRC committee
- current research topics
- research priority
- BBSRC research initiative
- funding scheme
- list of associated awards

Facilities are available to:

- view further details about any named investigator or supervisor on the award
(Section 6.5 - Person Details) **1**
- access the website of the award institution **2** . BBSRC has no control over external websites and does not accept responsibility for the information contained on these websites.
- access further information on the area associated with the relevant peer review Committee **3**
- access the details of any other related (associated) awards, for example when more than one award is part of the same research project **4**
- export the results as a PDF file **5** . The **Terms & Conditions of Use** must be accepted before the data can be exported.

Award details

An integrated approach to the cost effective production of biodiesel from photosynthetic microbes

Reference	BB/H014241/1
Principal Investigator / Supervisor	Professor Antoni Slabas
Co-Investigators / Co-Supervisors	Dr Josiah Simon
Institution	Durham University
Department	Biological and Biomedical Sciences
Funding type	Research
Value (£)	844,536
Status	Current
Type	Research Grant
Start date	01/11/2009
End date	31/10/2014
Duration	60 months

Abstract

Nannochloropsis and Synechocystis will be engineered to accumulate lipids in the form of triacylglycerols [TAGs] as feedstocks for biodiesel production. The end objective is to sequester CO₂ from flue gasses, so reducing CO₂ output, and converting this into storage lipids and reducing the demand for fossil based fuels. The projects will use both acclimation, random mutagenesis and targeted gene expression to achieve this goal. In Nannochloropsis initial considerations will be on increasing the temperature at which the organism can be grown. EST sequencing will be performed to identify genes involved in TAG biosynthesis and altering their expression so that TAG biosynthesis is maximal during the exponential stage of growth. Manipulation of the fatty acid profile will be undertaken to increase the level of saturated fatty acids. In Synechocystis genes will be introduced to divert metabolism from MGDG and DGDG synthesis towards TAG as well as optimise the flow of metabolites towards fatty acid biosynthesis. The fatty acid profile will be manipulated to favor a profile best for biodiesel production. Considerations will be made on the best way to harvest and process both organisms for lipid extraction.

Summary

Development of Renewable Fuels is an important consideration in terms of replacing fossil fuels, such as mineral oils and coals, as well as reducing the level of CO₂ emissions associated with them. In this project we will develop two micro-algae to fix atmospheric CO₂ and convert it using sunlight into raw material for biodiesel production. The main obstacles which have to be overcome are to develop strains of algae which can grow at high temperature [as flue gasses are going to be used as the source of CO₂] as well as efficiently converting the CO₂ into carbon compounds which can be used as raw materials for Biodiesel production. The work is being undertaken with a major Biofuels manufacturer and the knowledge gained should advance us both scientifically and industrially.

Impact Summary

The following sectors of society will benefit from this research: PUBLIC with reduced CO₂ emissions - which is in line with Government policies ACADEMIA - with advances in our understanding of metabolic pathways and how to engineer/control them INDUSTRY - obtaining micro-organisms which are engineered for industrial utilisation.

Committee	Research Committee B (Plants, microbes, food & sustainability)
Research Topics	Bioenergy, Industrial Biotechnology, Microbiology, Plant Science, Synthetic Biology
Research Priority	Bioenergy
Research Initiative	LINK: Renewable Materials (RM) [2006-2009]
Funding Scheme	X - not Funded via a specific Funding Scheme

Associated awards:

[BB/H014233/1 Integrated approach to cost effective production of biodiesel from photosynthetic microbes](#)

I accept the [terms and conditions of use](#) (opens in new window)

[export PDF file](#)

[back to list](#) [new search](#)

6.5 Person Details

Provides details of the location of an investigator or supervisor associated with an award, together with a list of current and past BBSRC awards. Information is available on:

- name
- current institution
- current department
- institution website link
- previous institutions
- list of current awards
- list of completed awards

Facilities are available to:

- access the website of the person's institution **1**. BBSRC has no control over external websites and does not accept responsibility for the information contained on these websites.
- reorder the list of awards by clicking the header of the required column **2** ;
- view the details of an award by clicking on the reference or title of a specific record in the list **3** ;
- export the information as a PDF file **4** . The **Terms & Conditions of Use** must be accepted before the data can be exported.

Investigator / Supervisor details

Name	Professor Ottoline Leyser
Current Institution	University of York
Current Department	Biology
Institution website	http://www.york.ac.uk
Previous Institutions	

Current Awards

Reference	Title	Award Role	Value £	Type
BB/E007007/1	Accelerating breeding for biomass yield in short rotation coppice willow by exploiting knowledge of shoot development in Arabidopsis	Principal Investigator	485,802	Research Grant
BB/E024688/1	Comparative Genomics of Shoot Branching	Principal Investigator	369,358	Research Grant
BB/G016801/1	BBSRC Targeted Priority Studentship Bid, Biology York 2008	Co-Investigator	446,460	Training Grants
BB/H020616/1	MRes in Computational	Co-Investigator	223,204	Training Grants

Completed Awards

Reference	Title	Award Role	Value £	Type
G2/B1/D/08492	The regulation of axillary bud growth - one pathway or many?	Principal Supervisor	41,845	Studentships
9912398	Developing tools to study shoot branching control in Arabidopsis	Principal Investigator	92,940	Research Grant
BB/C518057/1	The hormonal control of shoot branching in Arabidopsis	Principal Investigator	690,616	Research Grant
BB/D524424/1	High resolution of SEM imaging of meristems, parasites, bacteria, tissues, sperm and biomaterials in a multi-user facility	Principal Investigator	150,350	Research Grant
BB/E024750/1	Genome wide analysis of auxin-cytokinin interaction	Principal Investigator	350,333	Research Grant
BBS/E/09392	Proteomic analysis of the SCPI1-Aux/IAA interaction	Principal Investigator	242,115	Research Grant
BBS/S/A/2004/10991	Functional significance of the Aux/IAA-ARF interaction network in root hair development	Principal Supervisor	47,645	Studentships
BBS/S/C/2002/12883	Analysis of dominant suppressors of the max-1 shoot branching mutant of Arabidopsis	Principal Supervisor	57,884	Studentships
BBS/S/C/2005/13456	Characterisation of an extragenic suppressor of the max-1 shoot branching mutant	Principal Supervisor	67,358	Studentships
BBS/S/H/2005/12068	Using arabidopsis-derived tools to investigate shoot branching control in Brassica	Principal Supervisor	49,864	Studentships
EGA16202	Functional genomics of shoot meristem dormancy	Principal Investigator	244,568	Research Grant
EGA16204/2	Functional genomics of shoot meristem dormancy	Principal Investigator	49,292	Research Grant
G02079	Genetic analysis of shoot branching in Arabidopsis	Principal Investigator	179,585	Research Grant
G08626	Characterisation of the AXR3 gene of Arabidopsis and its partial suppressor SAX1	Principal Investigator	159,331	Research Grant
G09612	Characterisation of the MAX2 gene, a regulator of shoot branching in Arabidopsis	Principal Investigator	181,391	Research Grant
G10994	Provision of the Sainsbury Laboratory Arabidopsis Transposon collection to researchers	Principal Investigator	135,405	Research Grant
G14634	Regulation of stability of the AXR3/IAA17 auxin signalling protein	Principal Investigator	204,676	Research Grant
G16881	Investigating the mechanism of auxin-mediated apical dominance in Arabidopsis	Principal Investigator	400,540	Research Grant
G18879	Co-ordination of GARNET: The genomic Arabidopsis resource network	Principal Investigator	97,236	Research Grant
IGF12422	The Arabidopsis Functional Genomics Resource Network: Development of an array and Bioinformatics facility at IASG	Co-investigator	1,062,556	Research Grant
IGF12424	The Arabidopsis Functional Genomics Resource Network: Analysis and annotation of ESTs for Micro-arraying and identification of primers for amplification of GSTs	Co-investigator	111,140	Research Grant
IGF12426	The Arabidopsis Functional Genomics Resource Network: Provision of genome sequence tags to Arabidopsis micro-array facility	Co-investigator	359,204	Research Grant
IGF12429	The Arabidopsis Functional Genomics Resource Network: Proteomics facility for the UK Arabidopsis community	Co-investigator	616,532	Research Grant
IGF12435	The Arabidopsis Functional Genomics Resource Network: Metabolic profiling of Arabidopsis	Co-investigator	363,656	Research Grant
IGF12438	The Arabidopsis Functional Genomics Resource Network: Sequencing transposon insertion sites	Co-investigator	799,884	Research Grant
IGF12441	The Arabidopsis Functional Genomics Resource Network: Construction, identification and supply of systematic gene transfer clones	Co-investigator	296,644	Research Grant
IGF12442	The Arabidopsis Functional Genomics Resource Network: Arabidopsis insertion mutagenesis: sequencing dSpm insertions and generating new dSpm insertion	Co-investigator	322,060	Research Grant
IGF12443	The Arabidopsis Functional Genomics Resource Network: Coordination	Principal Investigator	200,056	Research Grant
JRE10823	(A) X-ray tomography to assess structure of bones and plant roots	Co-investigator	24,248	Research Grant
P18236	Identifying and characterising the function of novel guard cell signalling genes	Principal Investigator	146,408	Research Grant

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6.6 Standard Reports

In addition to the capability for users to define a 'search and display' strategy, the Awards section of Portfolio Analyser also provides a collection of predefined or **standard** reports. These save the user time in defining the search strategy and configuring the report display, and also provide consistency in approach. In this way, users have a mechanism to automatically access a report of their choice, but still have the capability to further analyse or redisplay the information as they see fit.

Standard reports are accessible from the Quick Search page of the Awards section.

Quick Search

Search the database of research and skills awards. Set the filter, enter complete or partial information [using Booleans or wildcards](#), or use the lookups or dropdown lists to return details of matching awards.

Text Search

Institution

 Institution Lookup

Investigator / Supervisor

 Person Lookup

Committee

SUBMIT **CLEAR FORM** **ADVANCED**

Filter

At least one award type and award status must be selected.

Award Type

Research

Skills

Award Status

Current

Completed

BBSRC Reference

To directly view details of any award, enter its BBSRC reference number here

 FIND

Standard reports

A selection of pre-defined reports

- **Institution Summary**
- **Region Summary**
- **Committee Summary**
- **Initiative Summary**

[More standard reports](#)

Running a report

1. Identify the required report from those listed in either the Quick search page or available via the **More standard reports** link on the Quick Search page of the Awards system 1.

Preview	Title	Description
General Reports:		
	Institution Summary	Number and Value of Current Research Awards by Institution
	Region Summary	Number and Value of Current Research Awards by Region
	Committee Summary	Number and Value of Current Fellowships / Research Grants by Committee
	Initiative Summary	Number and Value of Current / Completed Fellowships / Research Grants by Initiative
Committee Reports:		
	Research Committee A (Animal systems, health and wellbeing)	Current Fellowships / Research Grants List
	Research Committee B (Plants, microbes, food & sustainability)	Current Fellowships / Research Grants List
	Research Committee C (Technological and methodological development)	Current Fellowships / Research Grants List
	Research Committee D (Molecules, cells and industrial biotechnology)	Current Fellowships / Research Grants List
Fellowship Reports:		
	Advanced Fellowship (AF)	Current / Completed Fellowships List
	David Phillips Fellowship (DF)	Current / Completed Fellowships List
	Fellowship Grant (FG)	Current / Completed Fellowships List
	Industrial Impact Fellowship (IIF)	Current / Completed Fellowships List
	Institute Career Path Fellowship (ICPF)	Current / Completed Fellowships List
	Institute Development Fellowship (IDF)	Current / Completed Fellowships List
	Professorial Fellowship (PF)	Current / Completed Fellowships List
	Research Development Fellowship (RDF)	Current / Completed Fellowships List

2. Click the title to run the report.

6.7 Using Advanced Search

Advanced Search provides a facility to define a search strategy and retrieve a set of results as a list of matching awards (see [Section 6.3 - Awards List](#)). It offers a larger number of search criteria options than Quick Search and provides the capability to define a more detailed, tailored search strategy.

The Advanced Search is accessed via the 'home' page of the Awards section.

Advanced grants search

Search the database of research and skills awards using a range of available criteria. Set the filter, enter complete or partial information [using Booleans or wildcards](#), or use the lookups or multiselect dropdown lists to return details of matching awards.

2 **Text Search**
[Text Input Field]

3 **Institution**
[Text Input Field] **Institution Lookup**
[Clear]

4 **Institution Type**
(Show Details...) [Dropdown]

5 **Region**
(Show Details...) [Dropdown]

6 **Investigator / Supervisor**
[Text Input Field] **Person Lookup**
[Clear]

7 **Committee**
(Show Details...) [Dropdown]

8 **Research Topic**
(Show Details...) [Dropdown]

9 **Research Initiative**
(Show Details...) [Dropdown]

1 **Funding Scheme**
(Show Details...) [Dropdown]

1 **Start Year**
...select [Dropdown] [YYYY]

1 **or Start Date**
...select [Dropdown] DD/MM/YYYY [Calendar]

1 **End Year**
...select [Dropdown] [YYYY]

1 **or End Date**
...select [Dropdown] DD/MM/YYYY [Calendar]

1 **Award Duration**
(Show Details...) [Dropdown]

1 **Award Value**
...select [Dropdown]

1 **SUBMIT** **CLEAR FORM** **QUICK**

Filter

At least one award type and award status must be selected.

Award Type

Research

- Research Grants
- Institute Projects
- Fellowships

Skills

- Studentships
- Training Grants

Award Status

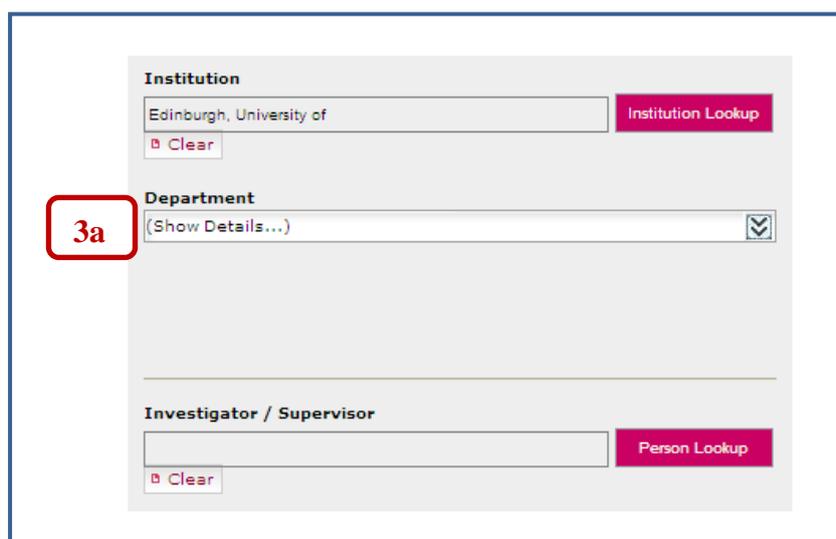
- Current
- Completed

1

1. Select at least one Award Type and Award Status in the Filter **1** for the search to operate. The default settings will return a list of all current awards.

2. If required, further define the search strategy using one or more of the following:

- **Text Search** **2** - enter complete or partial search terms **using wildcards or Boolean operators.**
- **Institution** **3** - use the Institution Lookup to find and select the required award institution. Selecting an Institution will expose the Department multi-select drop down list **3a** and hide the Institution Type and Region multi-select drop down lists.



The screenshot shows a search form with three main sections. The top section is labeled 'Institution' and contains a text input field with 'Edinburgh, University of' and a 'Clear' button. To the right is a pink 'Institution Lookup' button. The middle section is labeled 'Department' and contains a multi-select dropdown menu with '(Show Details...)' and a checkmark icon. A red box labeled '3a' is drawn around this dropdown. The bottom section is labeled 'Investigator / Supervisor' and contains a text input field and a 'Clear' button. To the right is a pink 'Person Lookup' button.

- **Institution Type** **4** - select one or more institution types from the multi-select list. This search criterion is available only if an Institution has **NOT** been selected.
- **Region** **5** - select one or more regions from the multi-select list. This search criterion is available only if an Institution has **NOT** been selected.
- **Investigator / Supervisor** **6** - use the Person Lookup to find and select the required individual associated with an award either as Principal Investigator, Co-Investigator, Supervisor or Student
- **Committee** **7** - select one or more current or past **BBSRC Committees** from the multi-select drop down list.

- **Research Topic** 8 - select one or more **Research Topics** from the multi-select drop down list. This is available when searching current awards **ONLY** as the classification was introduced in April 2008 and therefore does not cover the entire portfolio of completed awards.
- **Research Initiative** 9 - select one or more **Initiatives** from the multi-select drop down list.
- **Funding Scheme** 1 - select a one or more **Schemes** from the multi-select drop down list.
- **Start Year** 1 - select the required operator i.e. *after or during, during, before or during* from the drop down list, then enter the required start year in YYYY format. Use of Start Year will deactivate the Start Date criterion. Reset the operator to *select....* and delete any year value to reactivate the Start Date criterion.
- **Start Date** 1 - select the required operator i.e. *after or during, during, before or during* from the drop down list, then either enter the required start date in DD/MM/YYYY format, or use the Calendar pop up  to select the required date. Use of Start Date will deactivate the Start Year criterion. Reset the operator to *select....* and delete any start date value to reactivate the Start Year criterion.

Using the Calendar pop up

- Click the centre of the header to change the mode i.e. day, month, year 
- Click the left or right arrow in the header to decrease or increase a mode value 
- Click the required date to select it 



- **End Year** - select the required operator i.e. *after or during, during, before or during* from the drop down list, then enter the required end year in YYYY format. Use of End Year will deactivate the End Date criterion. Reset the operator to *select....* and delete any year value to reactivate the End Date criterion.
- **End Date** - select the required operator i.e. *after or during, during, before or during* from the drop down list, then either enter the required end date in DD/MM/YYYY format, or use the Calendar pop up  (see Start Date on previous page) to select the required date. Use of End Date will deactivate the End Year criterion. Reset the operator to *select....* and delete any start date value to reactivate the End Year criterion.
- **Duration** - select one or more Duration ranges from the multi-select drop down list.
- **Award Value** - select an Award Value range from the drop down list.

Details of how Boolean operators are used to link the different search criteria provided in the Advanced Search are available in [Annex 1](#).

3. Click **Submit** to run the search query and return a list of matching Awards. Alternatively, **Clear** the form and re-define a new search strategy.

6.8 Running a Summary Report

Summary Reports are accessible from the 'results screen' containing the list of awards retrieved in response to a search strategy.

BB/F009186/1	antibody mediated protection against foot-and-mouth disease using reverse genetics	Madhuchhanda Mahapatra	Institute For Animal Health	455,376	Current	Research Grant
BB/G020930/1	The role of the KRAB zinc-finger protein ZFP57 in the maintenance of the methylation programme in mouse development	Professor Anne Ferguson-Smith	University of Cambridge	371,637	Current	Research Grant
BB/G022623/1	miRBase: microRNA gene nomenclature, sequences, and targets	Dr Sam Griffiths-Jones	The University of Manchester	486,511	Current	Research Grant

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[export XML file](#) [export XLS file](#) [export CSV file](#) [export PDF file](#)

Analyse the awards list by selecting one or more predefined Summary Reports or configure your own Custom Report.

create custom report using results create summary report using results

[First](#) [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [»](#) [Last](#)

Summary Reports provide a facility that allows the user to select one or more predefined simple reports to analyse a set of search results against a specific attribute e.g. the distribution of matching awards by Institution, or by BBSRC Committee. The reports provide the ability to further drill down to awards 'sub' lists ([Section 6.3 – Awards List](#)) and then the details of a specific award ([Section 6.4 – Award Details](#)). One or more of the following reports can be generated:

Distribution of awards by:

- start year
- end year
- award duration range
- award value range
- award status
- institution
- institution type
- BBSRC committee
- region
- award type
- research initiative
- funding scheme

Running a report

Summary Report

Use one or more predefined summary reports to analyse the awards list. The reports provide the ability to further drill down to lists of awards and from that to the details of a specific award.

Current query:

Award Type: *Research; Skills*

Award Status: *Current*

Total No Of Results: 3613

[+ add or modify criteria](#)

[new search](#)

Select up to 3 reports:

<input type="checkbox"/> Start Year	<input type="checkbox"/> Institution	<input type="checkbox"/> Research Initiative
<input type="checkbox"/> End Year	<input type="checkbox"/> Institution Type	<input type="checkbox"/> Funding Scheme
<input type="checkbox"/> Award Duration	<input type="checkbox"/> Committee	
<input type="checkbox"/> Award Value	<input checked="" type="checkbox"/> Region	
<input type="checkbox"/> Award Status	<input type="checkbox"/> Award Type	

[Generate summaries](#)

[Back to awards List](#)

1. Select one or up to three reports required to analyse the list of awards results
2. Click Generate Summaries to run the reports

The Report

Each report provides facilities to:

- reorder the report contents by clicking the header of the required column **1** ;
- view the list of awards for a specific row in the report by clicking the **select** button **2**
- export the results as XML, XLS (Excel), CSV or a PDF file by selecting the required option **3** . The **Terms & Conditions of Use** must be accepted before the data can be exported.

Region

	Region	No of awards	Value £
<input type="button" value="select"/>	East Midlands	155	75,929,287
<input type="button" value="select"/>	Eastern	1,206	398,967,328
<input type="button" value="select"/>	London	354	152,807,226
<input type="button" value="select"/>	North East	99	41,398,856
<input type="button" value="select"/>	North West	223	113,207,988
<input type="button" value="select"/>	Northern Ireland	11	3,269,549
<input type="button" value="select"/>	Scotland	467	204,993,995
<input type="button" value="select"/>	South East	498	178,585,376
<input type="button" value="select"/>	South West	136	51,024,395
<input type="button" value="select"/>	Wales	85	32,889,113
<input type="button" value="select"/>	West Midlands	190	81,787,435
<input type="button" value="select"/>	Yorkshire and Humberside	189	79,624,328
		Total: 3613	1,414,484,876

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6.9 Building a Custom Report

Custom Reports are accessible from the 'results screen' containing the list of awards retrieved in response to a search strategy.

BB/F009186/1	antibody mediated protection against foot-and-mouth disease using reverse genetics	Madhuchhanda Mahapatra	Institute For Animal Health	455,376	Current	Research Grant
BB/G020930/1	The role of the KRAB zinc-finger protein ZFP57 in the maintenance of the methylation programme in mouse development	Professor Anne Ferguson-Smith	University of Cambridge	371,637	Current	Research Grant
BB/G022623/1	miRBase: microRNA gene nomenclature, sequences, and targets	Dr Sam Griffiths-Jones	The University of Manchester	486,511	Current	Research Grant

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export XML file export XLS file export CSV file export PDF file

Analyse the awards list by selecting one or more predefined Summary Reports or configure your own Custom Report.

create custom report using results create summary report using results

[First](#) [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [»](#) [Last](#)

Custom Reports allow the user to design a complex report to analyse a set of search results by defining what data columns (attributes) should be included and their order. Custom Reports provide subtotalling facilities and the ability to further drill down to awards 'sub' list (see [Section 6.3 – Awards List](#)) and then the details of a specific award. Reports can be built using up to three of the following data columns (attributes):

- Award Type
- Award Status
- Institution
- Department
- Institution Type
- Region
- Award Duration Range
- Funding Committee
- Award Value Range
- Research Initiative
- Funding Scheme
- Start Year
- End Year

Running a report

Custom Report

Create your own custom report to analyse the awards list by defining what data columns should be included and their order. The reports provide the ability to further drill down to lists of awards and from that the details of a specific award.

Current query:

Award Type: *Research; Skills*
Award Status: *Current*
Total No Of Results: 3613

Column selections & order

Enter numbers (1 - 3) to select and order report columns (lowest: left, highest: right). At least one and a maximum of 3 columns may be selected.

Award Type	<input type="text" value="1"/>	Committee	<input type="checkbox"/>	
Award Status	<input type="text" value="2"/>	Award Value	<input type="checkbox"/>	
Institution	<input type="text"/>	Research Initiative	<input type="checkbox"/>	
1 Department	<input type="text"/>	Funding Scheme	<input type="checkbox"/>	
Institution Type	<input type="text" value="3"/>	Start Year	<input type="checkbox"/>	
Region	<input type="text"/>	End Year	<input type="checkbox"/>	
Award Duration	<input type="text"/>			

2

1. Select at least one and a maximum of three data columns for the report by entering the numbers 1 to 3 against the required options. **1** The numbering of the selections will affect both what columns will be used within the report in addition to their order i.e. lowest number: left, highest number: right. The ordering of the columns affects the nature of the analysis that will be possible.
2. Click **generate custom report** to run the report. **2**

The Report

Each report provides facilities to:

- reorder the report contents by clicking the header title of the required column **1** ;
- subtotal the data in the report by a specific column attribute. Click Σ in the header of the column required for subtotalling **2** . Click  to clear data subtotalling.
- view the list of awards for a specific row in the report by clicking the **Select** button **3**
- export the results as XML, XLS (Excel), CSV or a PDF file by selecting the required option **4** . The **Terms & Conditions of Use** must be accepted before the data can be exported.

Results

1	Award Type Σ	Award Status Σ	Institution Type Σ	No Of Awards	Value £
3 Select	Research Grant	Current	HEI	1,340	672,046,858
Select	Research Grant	Current	BBSRC Institute	147	65,885,087
Select	Research Grant	Current	Academic Analogue	22	8,699,302
Select	Research Grant	Current	Other	27	16,225,916
Select	Institute Project	Current	HEI	87	49,695,397
Select	Institute Project	Current	BBSRC Institute	1,191	330,372,516
Select	Institute Project	Current	Other	22	4,774,000
Select	Fellowships	Current	HEI	53	33,900,461
Select	Fellowships	Current	BBSRC Institute	5	3,270,524
Select	Studentships	Current	HEI	43	1,823,963
Select	Training Grants	Current	HEI	637	211,373,751
Select	Training Grants	Current	BBSRC Institute	30	15,516,183
Select	Training Grants	Current	Academic Analogue	4	589,288
Select	Training Grants	Current	Other	5	311,630
Grand total				3613	1,414,484,876

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[export XML file](#) [export XLS file](#) [export CSV file](#) [export PDF file](#)

4

7. Searching and analysing publications

7.1 Overview

Use the Publications Search to define a search strategy and retrieve a result set as a list of matching publications. The publications database includes details of publications, journals, books, conference proceedings, reports, theses, articles, patents, computer programs, protein and DNA sequences, plant varieties and agricultural models from the following institutes strategically funded by BBSRC:

Babraham Institute (BI)

The Pirbright Institute, formerly the Institute for Animal Health (IAH)

Institute of Food Research (IFR)

John Innes Centre (JIC)

Rothamsted Research (RRES)

The Genome Analysis Centre (TGAC)

Institute of Grassland and Environmental Research (IGER) [to 2007]

Roslin Institute (RI) [to 2007]

Silsoe Research Institute (SRI) [to 2005]

Institute of Arable Crops Research (IACR) [to 2000]

Horticulture Research International (HRI) [to 2005]

The Publications Search is accessed via the 'home' page of the Publications section of Portfolio Analyser.

7.2 Searching for publications

Search publications

Enter complete or partial information [using Booleans or wildcards](#), or select from the drop downs to return a list of matching results. **One criterion must be set as a minimum to perform a search.**

The screenshot shows a search form with the following fields and controls:

- 1**: Text Search input field.
- 2**: Publication Title input field.
- 3**: Author input field.
- 4**: Journal input field.
- 5**: Institute dropdown menu with "(Show Details...)" and a chevron icon.
- 6**: Publication type dropdown menu with "(Show Details...)" and a chevron icon.
- 7**: Publication year section containing a "...select" dropdown menu and a "YYYY" input field.
- 8**: A row of three buttons: "SUBMIT", "NEW SEARCH", and "CLEAR FORM".

1. Define a search strategy using one or more of the following:

- **Text Search** **1** - enter complete or partial terms **using wildcards or Boolean operators** to search all text based fields i.e. title, authors and journal name of a publication.

- **Publication Title** 2 - enter complete or partial terms using wildcards or Boolean operators to search the title of a publication. This is **NOT** the title of the journal in which the publication appears (see below).
- **Author** 3 - enter complete or partial terms using wildcards or Boolean operators to search the authors of a publication.
- **Journal** 4 - enter complete or partial terms using wildcards or Boolean operators to search the journal in which the publication appears.
- **Institute** 5 - select one or more **Institutes** from the multi-select drop down list.
- **Publication Type** 6 - select one or more types of publication from the multi-select drop down list.
- **Publication year** 7 - select the required operator i.e. after or during, during, before or during from the drop down list, then enter the required start year in YYYY format.

Details of how Boolean operators are used to link the different search criteria provided in the Publications Search are available in [Annex 1](#)

2. Click **Submit** 8 to run the search query and return a list of matching publications. Alternatively, **Clear** the form and re-define a new search strategy.

7.3 Publications List

The Publications list provides a listing of summary information on publications matching a search strategy defined via the Publication Search (Section 7.2). The following information is provided on each publication:

- title
- author (s)
- journal name, volume, issue and page numbers
- publication year
- publication type
- institute

BBSRC institute publications list

Current query:

Text Search: "genome sequencing" 1

Total Results Count: 62

Sort: by year descending

Showing Results 1 - 50 of 62 Number of results to display: 50 2

Sort: by year descending 3

Genome sequencing and analysis of the model grass *Brachypodium distachyon*

Wright J.M., Febrer M., Mckenzie N., Byrne M.E., Walsh S., Higgins J., Bevan M.W.
Nature 463 (7282) 763-768
Publication year: 2010
Publication type: Refereed Journal
Institute: John Innes Centre (JIC)

The Genome sequence of Taurine cattle: A window to ruminant biology and evolution.

Elsik C. G., Ellis S. A., Et Al
Science 324 (5926) 522-528
Publication year: 2009
Publication type: Refereed Journal
Institute: Institute for Animal Health (IAH)

Genome sequence of *Azotobacter vinelandii*, an obligate aerobe specialized to support diverse anaerobic metabolic processes.

Setubal J.C., Dos Santos P., Goldman B.S., Ertesvag H., Espin G., Rubio L.M., Valla S., Almeida N.F., Balasubramanian D., Cromes L., Curatti L., Du Z., Godsy E., Goodner B., Hellner-Burris K., Hernandez J.A., Houmiel K., Imperial J., Kennedy C., Larson T.
Journal of Bacteriology 191 (14) 4534-4545
Publication year: 2009
Publication type: Refereed Journal
Institute: John Innes Centre (JIC)

Number of results to display: 50 2 Showing Results 1 - 50 of 62

4

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Facilities are available to:

- view and modify (if required) the details of the search strategy generating the publications list **1**
- modify the number of records displayed per page **2** ;
- reorder the list by selecting one of the following options from the drop down list **3** :
 - by year ascending
 - by year descending (default)
 - by first author surname (A - Z)
 - by first author surname (Z - A)
 - by publication name (A - Z)
 - by publication name (Z - A)
- navigate through each page of search results in the list of publications **4**
- export the results as XML, XLS (Excel), CSV or a PDF file by selecting the required option **5** . The **Terms & Conditions of Use** must be accepted before the data can be exported.

8. Text Searching

Portfolio Analyser uses Lucene text search technology. This supports wildcards, Boolean and other operators to link and use query terms wherever these are employed in defining a search strategy in the Awards or Publication sections of the system.

Principles

- A search query is broken into terms and operators
- A term may be a single word e.g. *crop* or a phrase consisting of a group of words surrounded by double quotes e.g. "*crop improvement*"
- Automatic correction is not applied to any misspelled words
- Stemming is not applied to any terms
- Wildcards can be used within a term to broaden the scope of a search (see below)
- Multiple terms can be combined together using Boolean operators to form a more complex query (see below)
- **Boolean operators must be used as capitals i.e. OR, AND, NOT**
- Queries are otherwise not case sensitive

Using Wildcards

In search context, wildcards replace a single letter or a series of letters in order to expand results.

Use the ? symbol to perform a single character wildcard search. The single wildcard search looks for terms that match with the single character replaced.

Use the * symbol to carry out a multiple wildcard search and look for 0 or more characters e.g. **h*moglobin** to return **haemoglobin** or **hemoglobin**, **tomato*** to return **tomato** or **tomatoes**

Wildcard queries will not work when used:

- as the first character (prefix) of a search term e.g. ***nanotechnology**
- within a phrase query e.g. "**gene sequenc***"

Operators

A search operator is an instruction that joins search terms to form a new, more complex query. It enables searching for several words at once by informing Lucene how to link search terms. The most common search operators are the Boolean operators (**must be used as capitals i.e. AND, OR, NOT**) and the use of double quotes to specify an exact phrase. These allow the inclusion or exclusion of documents from the search results.

Group	Operator	Description	Example
Boolean	OR	Finds documents that contain at least one of the specified terms. The OR operator links two terms and finds matching documents if either of the terms exist in a document. The OR operator helps you broaden your search	<i>crop OR plant</i> Finds documents containing <i>crop</i> or <i>plant</i> , or both.

		<p>by including synonyms or related terms.</p> <p>Note: OR is the default operator. This means that if there is no Boolean operator between two terms, the OR operator is used.</p>	
	AND	<p>Finds documents that contain all of the specified terms.</p> <p>Use the AND operator to search for documents in which all the terms joined with the AND operator are present. Therefore, if 4 keywords are joined with AND in a search, only documents containing all 4 keywords will be returned. On the other hand, a document that contains 3 of the 4 keywords will not be returned. The AND operator helps you narrow your search. Their order is not important.</p> <p>Be careful not to overuse the AND operator in a query; a search that is too specific could overlook relevant results.</p>	<p><i>crop AND improvement AND farm</i></p> <p>Finds documents containing all three terms.</p>
	NOT	<p>Excludes the data fields or documents that contain the specified word.</p> <p>Use the NOT operator to exclude documents that contain the specified words. The NOT operator helps you narrow your search.</p> <p>Note: The NOT operator cannot be used with just one term e.g. NOT crop will return no results</p> <p>Be careful with the use of NOT; the search may be too exclusive and eliminate relevant documents.</p>	<p><i>farm NOT crop</i></p> <p>Finds documents that do not contain <i>crop</i> but contain <i>farm</i></p>
Other	<p>Quotation marks</p> <p>""</p>	<p>Finds documents that contain the exact phrase.</p> <p>Quotation marks can be used to search for an exact phrase.</p> <p>Note: Exact phrase queries apply to groups of terms (words, numbers, etc.), not single terms.</p>	<p><i>"crop improvement"</i></p> <p>Finds documents containing this exact phrase.</p>

9. Navigation

A variety of mechanisms are provided to navigate around Portfolio Analyser in addition to using the Back and Forward buttons in your browser. These are highlighted below. The full route map through the system is also provided in [Annex 2](#).

Home > Our science > Search awarded grants > Awards list

Our science:

- Our science explained
- Our portfolio
- Strategic overview
- Search awarded grants**
- Quick grants search
- Advanced grants search
- User guide
- Search institute publications
- Our impact
- Multidisciplinary research
- Systems approach
- International research
- Topical issues

Awards list

Current query:

Award Type: *Research*; Skills
Award Status: *Current*
Total No Of Results: 3613

+ add or modify criteria new search

Showing Results 1 - 10 of 3613 Number of results to display: 10

Reference	Title	Principal Investigator/ Supervisor	Institution	Value £	Status	Type
BB/G016070/1	Development of an integrated platform for production of recombinant protein biopharmaceuticals using disposable processing technology	Professor Christopher Mark Smales	University of Kent	74,410	Current	Training Grants
BB/G016607/1	The role of phosphatidylinositol 3-phosphate (PI3P) in the induction of autophagy	Dr Nicholas Ktistakis	Babraham Institute	74,410	Current	Training Grants
BB/G01714X/1	Novel probiotics for oral diseases	Professor William Wade	King's College	82,410	Current	Training Grants

10. Sorting

All results tables in Portfolio Analyser provide a data sorting capability. Results can be reordered by clicking the column heading to perform an ascending or descending alphabetic or numeric sort, as appropriate.

11. Exporting data & Terms & Conditions of Use

Portfolio Analyser provides facilities to export data via a number of file formats i.e.

- Extensible Markup Language (XML)
- Microsoft Excel (XLS)
- Comma Separated Values (CSV)
- Portable Document Format (PDF)

Users **must** accept the terms and conditions before being permitted to proceed with a data export.

Terms & Conditions of Use for Portfolio Analyser and any exported data

The terms of the Biotechnology and Biological Sciences Research Council (“BBSRC”) research and training grants places a responsibility on universities to provide information about researchers and their projects. The BBSRC’s facility for searching and analysing awards is provided to make this information accessible and understandable for a wide range of users to promote and facilitate collaboration, networking and engagement across the full breadth of BBSRC research. The facility meets the BBSRC’s requirement to be transparent and accountable for its funding decisions by making information available to any interested user.

Application of Terms and Conditions

The data and information contained within the **Portfolio Analyser** (or available via it’s export facility) and accessible in the “Search awarded grants” and “Search Institute publications” sections of the BBSRC website is referred to in this document as the “**DATA**”. Use of the DATA is subject to the **BBSRC website Terms of use** and to these additional Terms and Conditions. Where these Terms and Conditions conflict with the Terms of use, these Terms and Conditions will prevail to the extent necessary to resolve the conflict. These Terms and Conditions apply to use of the DATA only. Please read these Terms and Conditions carefully before you start to use the **Portfolio Analyser**. Your use of the DATA constitutes acceptance of the BBSRC website Terms of use and these Terms and Conditions. These Terms and Conditions take effect on the date of your first use of the DATA.

Variations

We may revise the BBSRC website Terms of use and these Terms and Conditions at any time by amending the page at <http://www.bbsrc.ac.uk/site/terms-and-conditions.aspx> or this page. Your use of the DATA is subject to the Terms and Conditions in operation at the time that you use the DATA. Your continued use of the DATA after changes to these Terms and Conditions are posted constitutes acceptance of the Terms and Conditions as modified.

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The DATA is protected by copyright laws and treaties around the world and by database rights. All such rights are reserved.

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- use the DATA in a way that suggests the BBSRC endorses you or your interpretation or use of the DATA;
- misrepresent the DATA or the BBSRC source;
- use the DATA in breach of the Data Protection Act 1998 as amended from time to time;
- use the DATA in or to support a criminal, illicit or unlawful activity;
- use the DATA in a manner that infringes the rights of, or which may harass or cause distress or inconvenience to any third party;
- use the DATA in a manner that may restrict, or inhibit the use and enjoyment of this site by any third party; nor
- use the DATA to inflame or make comments that are racist, sexist or homophobic, or which promote or incite violence or illegal activity.

Accuracy and completeness of the DATA

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Your Concerns

If you have any concerns about the material that appears on our site, please contact webmaster@bbsrc.ac.uk.

12. Scope & Caveats

Portfolio Analyser contains details of awards active as at and Institute publications published from 1997 to the present. A small number of schemes covering support for international activities, innovation and skills, and information on the individual studentship projects supported through Training Grants (2006 onwards) are not currently available through this interface, but further details will become available in the future.

Some of the information held within Portfolio Analyser, particularly award titles, abstracts, technical and impact summaries, is provided by applicants. BBSRC does not accept responsibility for the accuracy of these statements.

A number of links within the system are to external websites over which BBSRC has no control. We do not accept responsibility for the information contained on these websites.

13. Comments & feedback

Every effort is made to maintain the accuracy of the information provided via Portfolio Analyser. However we welcome any notifications of errors, inaccuracies or where the information appears to be misleading.

In addition BBSRC welcomes any comments on the current system together with suggestions for changes and future enhancements. Please contact bbsrc.cps@bbsrc.ac.uk

ANNEX 1 Rules for application of Boolean operators in Quick and Advanced Search

The following business rules are applied in the use of Boolean operators within multiselect lists and searches provided by Portfolio Analyser.

Multi select drop down list

Options in a multiselect drop down list are linked with an **OR**

Quick Search (Home page)

(
(Research **OR** Skills)
AND
(Current **OR** Completed)
)
AND
Text Search
AND
Institution
AND
Investigator / Supervisor
AND
(BBSRC Committee)

BBSRC Institute Publications Search

Text Search
AND
Publication Title
AND
Author
AND
Journal
AND
(Institute1 **OR** Institute2.....)
AND
(Publication Type1 **OR** Publication Type 2.....)
AND
Publication Year

Advanced Search

(
(Research Grants **OR** Institute Project **OR** Fellowships **OR** Studentships **OR** Training Grants)
AND
(Current **OR** Completed)
)
AND
Text Search
AND
(
Institution
AND
(Department1 **OR** Department2.....)
)
AND
(Institution Type1 **OR** Institution Type2.....)
AND
(Region1 **OR** Region2.....)
AND
Investigator / Supervisor
AND
(Committee1 **OR** Committee2.....)
AND
(Research Topic1 **OR** Research Topic2.....)
AND
(Initiative1 **OR** Initiative2....)
AND
(Scheme1 **OR** Scheme2....)
AND
(Start Year **OR** Start Date)
AND
(End Year **OR** End Date)
AND
(Duration1 **OR** Duration2....)
AND
Award Value

ANNEX 2 Portfolio Analyser Route Map

