

Enabling and Supporting Research **GARNet**

Charis Cook



GARNet Aims 2009-2014



- Research Community Inform, liaise and support UK Arabidopsis
- Science communities Promote interactions with other UK Plant
- communities Promote interactions with other research
- Enhance participation in International Research



Antony Dodd

More info »

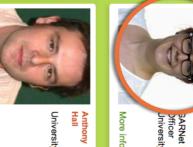
University of Bristol

University of Aberystwyth

John Doonan

More info »

More info »



University of Liverpool

More info »

Smita Kurup

Sabina Leonelli

University of Exeter

GARNet Research & ingagement Officer Jniversity of Warwick

Lisa Martin

Rothamsted Research



University of Oxford





Heather Knight

Durham University



More info »



More info »

Jim Murray

More info »

University of Aberdeen



GARNet Chair University of Cardiff

More info »

More info »



GARNet

Malcolm Bennett

University of Nottingham





Sainsbury Laboratory

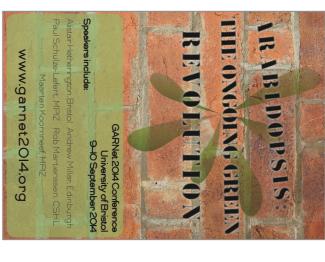
GARNet and Systems Biology: 2000-2009

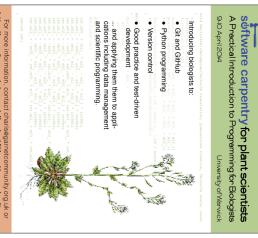


- Promoted uptake and adoption of systems approaches
- Community consultation on a report to BBSRC on Uptake

of Plant Systems Biology (report published Jan 2006)

- Numerous workshops and meetings
- Provided a network to allow the UK become involved in **ERA-PG**
- Established Mathematics in Plant Science Study Groups
- 2 of the 6 Centres for Systems Biology funded in 2005-6 included plant science
- 3 out of 6 Systems Approaches to Biological Research projects funded in 2011 focus on plants













Data mining with iPlant 17-20 September 2013

University of Warwick

Day 1: Introduction to iPlant (free)
A mixture of lectures and handson activities to
major offerings and services

Days 2 and 3: Interactive tutorials in the iPlant environment

Bring a dataset to analyse, a workflow to the iPlant API into your own applications Days 3 and 4: Advanced Topics in the iPlant Cyberinfrastructure

For more information, contact charis@gametcommunity.org.uk or go to http://www.2.warwick.ac.uk/fac/sci/lifesci/news/iplant









For more information contact charis@garnetcommunity.org.uk

BBSRC New Experimental Superimental Superime

dinner. Register by 26 April 2013.

Registration starts from £175, including accomodation and conference http://www2.warwick.ac.uk/fac/sci/lifesci/news/synbio

GARNet reports



- Plant Synthetic Biology in the UK 2013
- Making Data Accessible 2012
- An International Model for the Future of Plant Science 2010
- EU 2020 European Vision for Plant Science 2008
- BBSRC requested report on Plant Systems Biology 2006

Arabidopsis Research Community Inform, Liaise, and Support the





WELCOME TO GARNet

GARNet supports UK scientists to develop and undertake excellent research using Arabidopsis thallana

GARNET IS THE UK NETWORK FOR ARABIDOPSIS RESEARCHERS

GARNet is a BBSRC sponsored network set up to support Arabidopsis and the wider plant community.

and international level by helping researchers make the best use of available funding, tools and resources. GARNet acts as information hub for the community via its newsletter, mailing list and rich content found here. GARNet aims to make sure the UK Arabidopsis community remains competitive and productive at the national

communities, GARNet helps to promote interactions between fundamental and applied plant sciences. GARNer also works to increase opportunities for UK Arabidopsis scientist at the international level. GARNet provides a point of contact for researchers and funding agencies. Along with other research

GARNet represents the UK Arabidopsis researchers via a committee of elected members.

The GARNet blog provides regular highlights of recent papers and meetings, as well as mentioning upcoming events and funding opportunities. You can also find GARNet on Twitter @GARNetweets and @weedinggems.

LATEST NEWS

Student travel bursary to ICAR 2013

14th Mar 2013
I am pleased to announce that 4 travel... More x

Appointment of new members to Natural England's Science Advisory Committee

View all of the latest news » Natural England is seeking to appoint... More:



HAVE YOU HEARD ABOUT THE PLANT SCIENCE UK WEBSITE?



GARNet BLOG? HAVE YOU SEEN THE NEW



THE GARNet EMAIL LIST! CLICK HERE TO SIGN UP TO

www.garnetcommunity.org.uk

Inform, Liaise, and Support the





www.blog.garnetcommunity.org.uk

Inform, Liaise, and Support the Arabidopsis Research Community





GARNISH

GARNISh ANN RESIGNATION







Promote interactions amongst Plant Science Communities





About Us

Find a Scientist

Funding

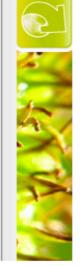
Communities

Events News Get Involved

UK PlantSci 2013

UK PlantSci 2013 the annual conference of the UKPSF will take place on 16-17 April 2013 in Dundee.

Recent Updates



Genetics Garden open to the public

05/07/2013 at 14:17pm

genes and genetics at the Universit... series of living displays explaining the role of Scientists from the University of Dundee and the James Hutton Institute will this week unveil a

_atest News



Genetics Garden open to the public

05/07/2013 at 14:17pm

will this week unveil a series of living displays explaining the role of Scientists from the University of Dundee and the James Hutton Institute

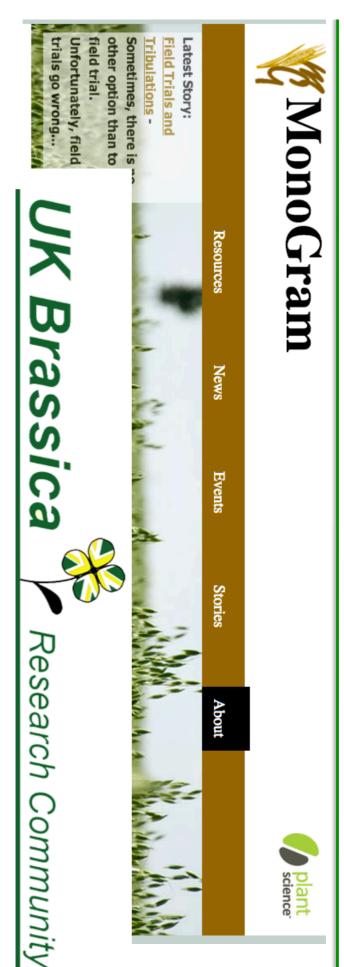
Ash dieback resource

Name that tree: new ann offers assistance to hudding hotanists



Promote interactions amongst Plant Science Communities







WELCOME

NEWS

EVENTS -

ABOUT UKBRC

LINKS AND RESOURCES -

Search

nutritional and renewable non-food products. Brassica agriculture and horticulture industries. Oilseed rape, the Brassica crops are major components of the UK arable minerals such as zinc and iron. oxidants, vitamins, anti-carcinogenic compounds, and in polyunsaturates with huge potential to provide new primary source of vegetable oil in Northern Europe, is high beneficial nutrients, including elevated levels of antivegetables, including cabbage and Brussel sprouts, contain



• BBSRC

plant

LATEST POST

beetles at bay Fields of red to keep pollen

Providing Added Value



into UK plant science: We aim to democratise research in order to add value to funding put

- Helping to ensure community remains competitive
- Promoting interactions amongst researchers
- Assisting researchers to make best use of funding, tools and technologies
- Opening up access to services and collaborations
- Organising accessible training events
- Providing a single point of contact

GARNet and Synthetic Biology





University of Nottingham

Richard Kitney (Imperial) Jim Hasseloff (Cambridge) George Lomonossoff (JIC une Medford (Colorado)

Speakers include:

Claire Marris (KCL

http://www2.warwick.ac.uk/fac/sci/lifesci/news/synbio

Registration starts from £175, including accomodation and conference dinner. Register by 26 April 2013.

For more information contact charis@garnetcommunity.org.uk









Developing Plant Synthetic Biology in the UK



Recommendations Opportunities and

Recommendations for UK Plant Synthetic Biology



- Enabling community sharing of biological parts
- Establishing an open source software repository
- Inspiring a generation of plant synthetic biologists
- Enabling training, partnerships and collaborations
- Stakeholder mapping and public engagement
- Exploring licensing options
- Incentivising development of new tools and approaches



www.garnetcommunity.org.uk

www.blog.garnetcommunity.org.uk

@weedinggems

Charis Cook

charis@garnetcommunity.org.uk

CV4 7AL, UK School of Life Sciences, University of Warwick, Coventry,

