



## Breeding Plants for the Future

### The second in the More Crop per Plot series

15th May, University of Reading

#### Introduction

Numerous innovations are dramatically changing plant breeding and the potential performance of crop varieties. Breeding Plants for the Future, a one-day conference for all involved in crop science and agribusiness will be held on Thursday 15th May 2014 at the University of Reading.

Cutting-edge research will be reviewed, including how epigenetic variation affecting changes in gene expression will create new breeding opportunities. Other topics will cover new genomic technologies, new targets for plant breeders, field testing of new varieties, and integrating genetic improvements with other means of increasing or protecting crop yields and quality.

Speakers will come from the universities of Cambridge, Nottingham and Reading, Rothamsted and the plant science industry. Syngenta and DuPont now have integrated plant breeding and agrochemical businesses, taking the multi-disciplinary approach all the way through from invention to the farm. Smaller specialist plant science companies will be represented by Illumina, an American company specialising in genome sequencing technologies and NIAB, involved in developing and evaluating new technologies.

This conference is the second in the More Crop per Plot series of events organised by SCI BioResources Group and Aqua Enviro focusing on the science and technologies behind efforts to increase crop yields and secure the global food supply.

#### Submission of Poster Abstracts

Poster submissions are invited on the topic of R&D for improving yield through plant breeding. Please submit a 250 word abstract to [clarehunter@aquavenviro.co.uk](mailto:clarehunter@aquavenviro.co.uk) by the 17th April. SCI will award a prize for the poster with the best commercial potential. Up to three poster authors will be invited to give a brief oral presentation as part of the conference programme.

#### Who should attend?

- Policy makers
- Academics
- R&D Managers
- Marketing and business development managers
- Investment decision makers
- Media

#### Venue

University of Reading, Whiteknights, Reading, Berkshire, RG6 6AH

The conference will be held in the Agriculture Nike Theatre which is located on the Whiteknights campus. Full directions will be sent when you register.

#### Programme

- 10.00 – 10.05 **Opening remarks by Chair for morning session**  
Alan Baylis, Nuvistix
- 10.05 – 10.25 **Plant breeding for a new future – an overview**  
David Lawrence, Syngenta
- 10.25 – 10.40 **Poster oral presentation**
- 10.40 – 11.05 **Breeding for increased yields – the epigenetic approach**  
David Baulcombe, University of Cambridge
- 11.05 – 11.30 **Breeding to plan using marker technology**  
Michael Thompson, Illumina
- 11.30 – 11.50 **Refreshment break**
- 11.50 – 12.15 **New approaches to breeding, targeting increased pest resistance**  
Toby Bruce, Rothamsted
- 12.15 – 12.40 **Breeding strategies for abiotic stress tolerance**  
Dave Warner, DuPont Pioneer
- 12.40 – 12.55 **Poster oral presentation**
- 12.55 – 13.20 **Improving root architecture to increase nutrient use efficiency and response to micronutrients**  
Malcolm Bennett, University of Nottingham
- 13.20 – 14.20 **Lunch**
- 14.20 – 14.25 **Opening remarks by Chair for afternoon session**  
David Lawrence, Syngenta
- 14.25 – 14.50 **Combating the effect of heat stress on the flowering of crops**  
Richard Ellis, University of Reading
- 14.50 – 15.05 **Poster oral presentation**
- 15.05 – 15.30 **Evaluation of new varieties**  
Tina Barsby, NIAB
- 15.30 – 15.55 **Integrating advances in crop breeding with other methodologies**  
Mike Bushell, Syngenta
- 15.55 – 16.20 **Panel Q&A**
- 16.20 – 16.25 **Presentation of poster prize and close**
- 16.25 – 16.45 **Refreshments**





## SCI

SCI is a unique international forum where science meets business on independent, impartial ground. SCI provides opportunities to share information between sectors as diverse as food and agriculture, pharmaceuticals, biotechnology, environmental science and safety. SCI publishes many well respected journals including Biofpr (jointly with Wiley), Journal of the Science of Food and Agriculture, and Pest Management Science. SCI can offer a network of contacts spanning education, science and business, an in-depth knowledge of chemistry related industries together with a rolling programme of conferences, awards and scholarships to help further knowledge and support those involved in the sector no matter what stage of their careers.

For more information on the benefits of joining SCI please go to [www.soci.org/membership](http://www.soci.org/membership)

## Sponsorship & Exhibition Opportunities

The cost to exhibit at this event is £450 (+VAT), this includes a 3m x 2m stand space, 1 person manning the stand, a table and chairs. **Exhibitors also receive 20% discount off the delegate rates.** A range of effective marketing opportunities are available to suit all budgets, for further details please contact Sarah – [sarahbrown@aquaviro.co.uk](mailto:sarahbrown@aquaviro.co.uk)

## Booking Form

You can register online at [www.aquaviro.co.uk](http://www.aquaviro.co.uk) or complete the booking form below.

### Delegate Details

Title: ..... Name: .....

Job Title: .....

Organisation: .....

Address for correspondence: .....

..... Postcode: .....

Email: .....

Tel: .....

### Fees

Full Delegate SCI Member	£220 (+VAT) = £264	<input type="checkbox"/>
Full Delegate (non-members)	£295 (+VAT) = £354	<input type="checkbox"/>
Student SCI Member	£65 (+VAT) = £78	<input type="checkbox"/>
Student, Academics, Charities	£100 (+VAT) = £120	<input type="checkbox"/>

### Method of Payment

#### Cheque:

I enclose a cheque for £ ..... payable to AE Technology Transfer (A VAT Receipt will be sent automatically)

#### Credit/Debit Card:

Card Number: .....

Name on Card: .....

Exp. Date: ..... Security Number: .....

Registered Address (If different from above): .....

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#### Invoice:

Please invoice for the sum of £ .....

Purchase Order Number: .....

Contact Name: .....

Tel: .....

Invoice Address: .....

.....

### Booking Forms and Enquiries

Aqua Enviro Technology Transfer, Unit 8 Appleton Court, Calder Park, Wakefield, WF2 7AR

Email: [clarehunter@aquaviro.co.uk](mailto:clarehunter@aquaviro.co.uk)

Tel: 01924 257891

### Terms and Conditions

Payment is due within 30 calendar days of the invoice or 14 days before the event, whichever is the sooner. A charge of £50 will be levied for cancellations made up to 20 days prior to the event. Cancellations after this period will be liable for payment of the full fee. If AETT cancel the event for whatever reason, all fees paid will be refunded in full. However please note that any associated hotel or travel expenses incurred will not be refunded.

