

# ASSOCIATION OF APPLIED BIOLOGISTS FORWARD CONFERENCE PROGRAMME

**2010**

- 21 April **Biopesticides: Commercial uptake**  
Olde Barn Hotel, Marston, Lincs (Biocontrol Group/IBMA)
- 27-29 April **Agri-environment schemes - what have they achieved and where do we go from here?**  
University of Leicester at Oadby, UK (CATE Group/BES Agricultural Ecology Group)
- 10-11 May **Non Food Uses of Crops**  
Wyboston Lakes Conference Centre, Bedfordshire (PP&CI Group)
- 8-9 June **Advances in biotechnology and molecular plant breeding**  
Rothamsted Research, Harpenden, Herts, UK (PP&CI Group)
- 29 June - 1 July **Landscape Management for Functional Biodiversity**  
Holiday Inn, Impington, Cambridge, UK (IOBC/WPRS)
- 5-7 September **International Advances in Virology**  
Wageningen, the Netherlands (Virology Group)
- 7-9 September **Delivering Food Security with Supply Chain Led Innovations**  
Royal Holloway, Egham, Surrey (OECD, Food Systems Group)
- 14-15 September **3rd Symposium on Potato Cyst Nematodes**  
Harper Adams University College (Nematology Group)
- 15 September **Development of new technology by machinery manufacturers**  
Harper Adams University College (Pesticide Application Group)
- 14 December **Advances in Nematology**  
Linnean Society of London, Piccadilly, London, UK (Nematology Group)
- 15-16 December **Water and nitrogen use efficiency in plants and crops**  
Olde Barn Hotel, Marston, Lincs (PP&CI Group)

Further information about the AAB and online booking for these conferences is available on the AAB website

<http://www.aab.org.uk>

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INVESTOR IN PEOPLE

# ASSOCIATION OF APPLIED BIOLOGISTS

*President: Michael Jeger, PhD, FIBiol, FIMA, FLS*



**A 2 day conference**

**at Rothamsted Research, Harpenden, UK**

**on 8-9 June 2010**

**FIRST ANNOUNCEMENT AND  
CALL FOR PAPERS**

***Advances in biotechnology  
and molecular plant breeding***

*Photograph reproduced by kind permission of Rothamsted VCU*

# Advances in biotechnology and molecular plant breeding

to be held at Rothamsted Research, Harpenden, UK

on 8-9 June 2010

**CONTRIBUTIONS ARE NOW INVITED**

**DEADLINE FOR CALL OF PAPERS HAS BEEN EXTENDED TO  
31 MARCH 2010**

Novel genetic technologies have the potential to revolutionize 21st century crop improvement. Transgenics, cisgenics, Zinc-Finger Nucleases, RNAi, TILLING, and VIGS (viral induced gene silencing) are robust research tools which are increasingly used in major crops to identify candidate gene function or modify plant phenotypes. However, apart from transgenesis, these technologies have not yet been developed for commercial plant breeding. The hurdles and bottlenecks will be explored in this meeting.

The massive expansion of whole genome and cDNA sequencing provides new insights into genome structure and function, and enables the identification of candidate genes for reverse genetics. This, combined with various 'omics' technologies and high-throughput phenotyping that can link traits to molecular markers, will result in the routine implementation of marker assisted selection and various recombinant DNA technologies in plant breeding. This conference is devoted to advances in biotechnology, both GM and non-GM, for functional genomics and crop improvement. It is aimed at students, researchers and plant breeders interested in methods for 'molecular' plant breeding. The call for offered papers and posters is now open.

Invited speakers include:

**Keith Edwards, University of Bristol UK**

SNP discovery in wheat; a new era for breeders and academics

**Mario Gils, IPK, Germany**

A novel hybrid seed production system for plants

**Mike Murray, Dow, USA**

EXZACT Precision Technology, a versatile toolkit for crop improvement

**Win van Camp, Crop Design BASF, NL**

TraitMill: a high-throughput biotechnological approach to yield improvement in field crops

**Jonathan Napier, Rothamsted Research, UK**

Rational metabolic engineering of transgenic plants for omega-3 long chain polyunsaturated fatty acid biosynthesis

**Cristobal Uauy, John Innes Centre, UK**

Gene targets for TILLING in cereals" (title to be confirmed)

Papers and posters from the conference will be reproduced in a volume of *Aspects of Applied Biology*, which will be available to delegates at the conference. Please send your offer to the AAB office. (Email to [Rebecca@aab.org.uk](mailto:Rebecca@aab.org.uk); Fax +44 (0)1789 470234). Alternatively, you can submit an offer online, giving the title of the paper, authors, affiliations and a short synopsis of your paper. Click on ABSTRACTS in the left hand column of the AAB home page, then click on the conference title. You can register your email and, after being sent a password, can upload your offer. Please indicate whether your offer is for a platform presentation or a poster. Please ensure your pop up blocker is off, otherwise the Abstract may not upload properly.

Further details can be found at <http://www.aab.org.uk>

# Advances in biotechnology and molecular plant breeding

to be held at Rothamsted Research, Harpenden, UK

on 8-9 June 2010

(Please tick appropriate boxes)

Please send me further details and booking forms when they become available   
I am not an AAB member – (Members will receive this information)

I am interested in having a commercial exhibit at the conference

I wish to offer an oral presentation paper as detailed below

I wish to offer a poster presentation paper as detailed below

SURNAME: ..... INITIALS: .....

TITLE (Prof/Dr/Mr/Mrs/Ms or other): .....

MAILING ADDRESS: .....

..... POST CODE: .....

Tel No: ..... Fax No: ..... E-mail: .....

TITLE OF PAPER: .....

.....  
OUTLINE OF CONTENTS: .....

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Advances in biotechnology and molecular plant breeding conference

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**DEADLINE FOR CALL OF PAPERS IS 31 MARCH 2010**