

The IAA - Advanced Aerobiology Course 2011

Measuring allergens and other aerobiological material



**National Pollen and
Aerobiology Research Unit**
at the [University of Worcester](#)

AAC 2011 - Advanced Aerobiology Course 2011

Measuring allergens and other aerobiological material

The International Association for Aerobiology (IAA) runs a series of advanced courses that aim to give participants an understanding of the scientific principles behind aerobiological sampling and analyses, and supply a solid background for the interpretation of aerobiological results. These courses have been held in different bio-geographical zones. The last course, entitled "Aerobiology in Alpine Environment", was held in Switzerland in August 2006.

The National Pollen and Aerobiology Research Unit at the University of Worcester will hold the next AAC from the 14th to 18th August 2011.

Course Programme

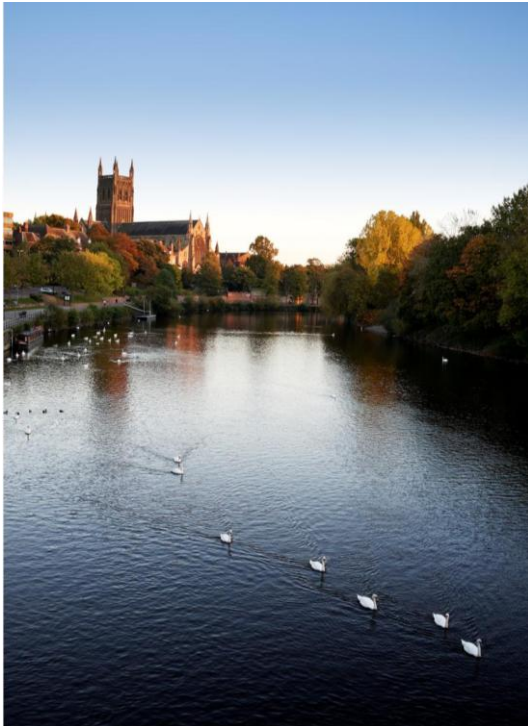
Many researchers and health care professionals are increasingly interested in the allergen content of the atmosphere. This is because it is not always possible to differentiate between certain pollen types using microscopy, and the allergic response in susceptible patients does not always coincide with the presence and magnitude of airborne pollen.

AAC 2011 will be a 5-day course that will combine a variety of lectures and practical sessions with the aim of introducing participants to a range of cutting-edge techniques used in sampling and analysing aerobiological material. Members of staff at the NPARU have been actively involved in this area of research and so the lectures and practical sessions will be based on actual work being carried out at the research centre.

The course will be in English, and will include:

- What are allergens?
- Allergens and human health
- The use of immunoanalysis in agriculture
- The use of Low Volume and High Volume sampling systems
- Immuno-fluorescent techniques in aerobiology
- ELISA analysis
- Lateral Flow Devices
- Molecular techniques in aerobiology
- Data analysis and interpretation

Facilities



At Worcester we are recognized for giving our students an outstanding education as part of a friendly, supportive community, living and learning in a beautiful riverside city. With competitive living costs, studying here is also great value for money.

AAC 2011 will be held in the brand-new teaching laboratory on the first floor of the Charles Darwin building, which is situated on the St John's parkland campus. The National Pollen and Aerobiology Research Unit is partly housed in this building and the new facilities comprise a dedicated microbiology lab, a dedicated forensics lab, a training room and a large new controlled environment room. NPARU also contains a training room where some of the course content could also be delivered.



<http://www.worcester.ac.uk/discover/national-pollen-and-aerobiology-research-unit.html>

Accommodation

Course participants will stay at high-quality accommodation belonging to the University of Worcester (<http://www.worcester.ac.uk/your-home/accommodation.html>). The majority of the University's housing is situated on St John's campus, which is close to the teaching facilities and NPARU. Other accommodation is situated near to the city centre, which is a 10-15 minute walk to St John's campus. The course fee includes Platinum en suite accommodation with self-catering facilities for participants.

Supported places

There will be up to four supported places on the course. The exact number will depend on the number of fee paying participants registered on the course. Successful applicants will only have to pay £330 for food and accommodation, and not the full registration fee. Please note that an application for financial assistance does not guarantee you a place on the course. Also supported places do not include travel expenses.

Applicants for supported places must fulfil the following criteria:

- They are researchers in the early stages of their career (less than 5 years) already involved in aerobiological activities;
- Their countries are not integrated in European Union and so, they have no access to funding from its institutions.

The application for supported places should include a short **Curriculum Vitae** and personal details: Name; Title/Dept; Institution; Address, City, State, Postal/Zip Code; Phone, Fax, E-mail.

Applications for supported places should include a short statement explaining why they wish to attend this course, their future projects in aerobiology and the specific benefits they hope to derive for their research/organization (max 250 words)

Applicants also need to supply a letter of support from their supervisor or Head of Department/Institute: This letter should verify that they are currently engaged in research work, at an education institution or in a research-based organization. The letter should also address their need for funding assistance related to the additional expense resulting from their involvement in this course.

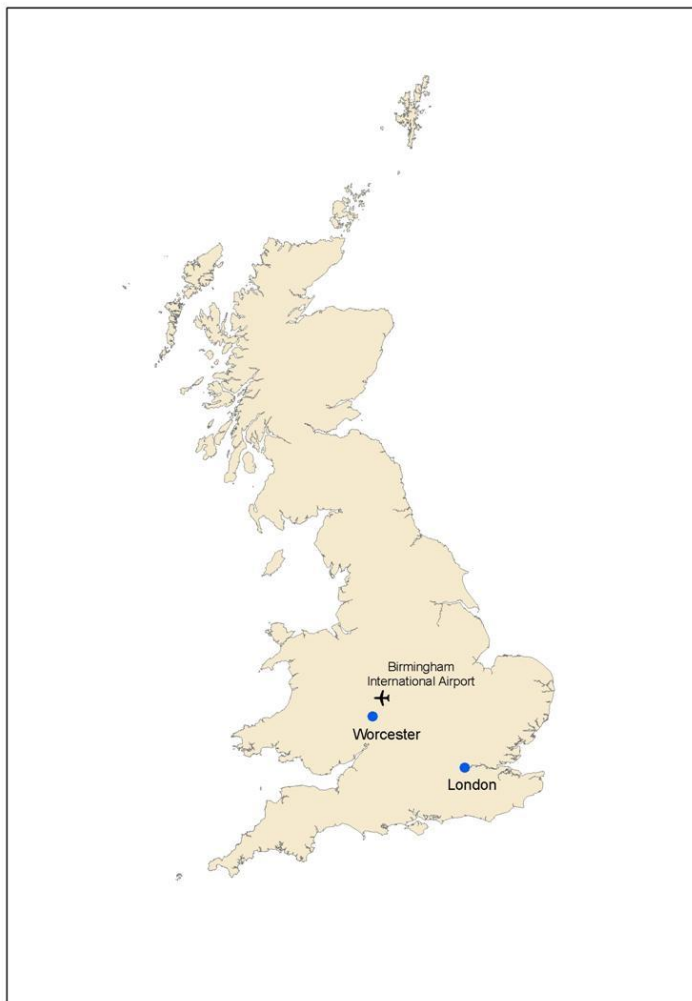
The application should be sent to pollen@worc.ac.uk with the subject heading IAA 2011.

Deadline: All applications will be considered until 4th July 2011.

Where is Worcester?



Worcester is located in the heart of England, only two hours from London and easily accessed from most major UK airports. Worcester's closest airport is Birmingham International.



The City of Worcester

On the banks of the beautiful River Severn, Worcester combines a fascinating history with an energetic modern atmosphere. Continually growing and evolving, it holds onto the same feel it's always had – a lively city with the friendly welcome of a small town. The city's riverfront is close to the University, with tree-lined walkways running past the magnificent cathedral. The famous Malvern Hills are nearby and offer wonderful walking and spectacular views of the English countryside. Worcester has kept up with the times, and offers all the activities you'd expect of a modern city, with a wide choice of restaurants, contemporary bars, live music venues and shops.

Course fee

The course fee is £630 GBP

The fee includes:

- All course materials
- Accommodation (half board – breakfast and lunch)
- Excursion/social event

Note that travel expenses ARE NOT INCLUDED

More information can be found on the University of Worcester website:
<http://www.worcester.ac.uk/discover/advanced-aerobiology-course.html>

Registration

The number of participants is limited so please contact us for registration as soon as possible. The deadline for registration is Monday 4th July 2011. Participants can register by sending an e-mail with the subject heading "AAC 2011" to pollen@worc.ac.uk

Payment

Deadline for paying participation fee is the 15th July 2011.

Bank details:
National Westminster Bank PLC
Worcester Cross Branch
1 The Cross
Worcester
WR1 3PR

Sterling Account
Sort Code 55-81-36
A/c No. 02813505
A/c Name University of Worcester
SWIFT BIC NWBK GB 2L
IBAN GB71 NWBK 5581 3602 8135 05