

**Dr Peter Kennedy - "In search of the invader:  
Tracking Asian hornets."**

Asian hornets (*Vespa velutina*) are voracious predators of bees and are the latest emerging threat to managed and wild pollinator populations in Europe. To prevent establishment or reduce the rate of spread of Asian hornets, early detection and destruction of nests is considered critical. Detection is difficult as their large nests are well hidden and flying hornets are difficult to follow over long distances. This presentation will review how Asian hornets have spread across Europe, how increasing numbers of countries are addressing this non-native invader, how technologies may be adapted to assist with finding hidden nests and will summarize prospects for control of this threat to our beleaguered pollinators.

**Lunch arrangements:**

Lunch is available at Roots & Shoots, but this **must be booked in advance**.

Book with Sue Carter (secretary@cabk.org.uk) Price: £8.00 per head (pay on the day)

**\* Latest date for booking lunch is Tuesday 19th February \***

**Admission to Lecture Programme & AGM is free,  
but to offset costs we would appreciate a donation of £10-£15  
on the day.**

**Please register for the meeting on Eventbrite via the link on this  
page <https://www.cabk.org.uk/event/spring-meeting-2019>**

**Save the Date** - Friday Nov 15th - Sunday Nov 17th 2019

**CABK Autumn Conference**, the speakers are :-

Tom Oliver; Pollinator tracking in agricultural landscapes.

Nicola Burns; Genetic studies of European foulbrood: virulence, persistence and antibiotic resistance.

Dylan Elen; What is left of the Welsh Dark bee.

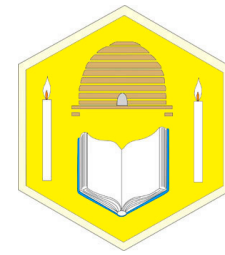
HaDi MaBouDi; What is the minimum network of cognition required to implement in Artificial intelligence.

Saorla Kavanagh; Irish honey – as good as Manuka?

Paul Hurd; Honey bees are what they eat: how do differing diets result in queens or workers?

Natasha de Vere; Plants for honeybees: using DNA barcoding to discover foraging preferences throughout the year.

**Central Association  
of Bee-Keepers**



**Bringing Science  
to the Beekeeper**

## Spring Meeting and AGM

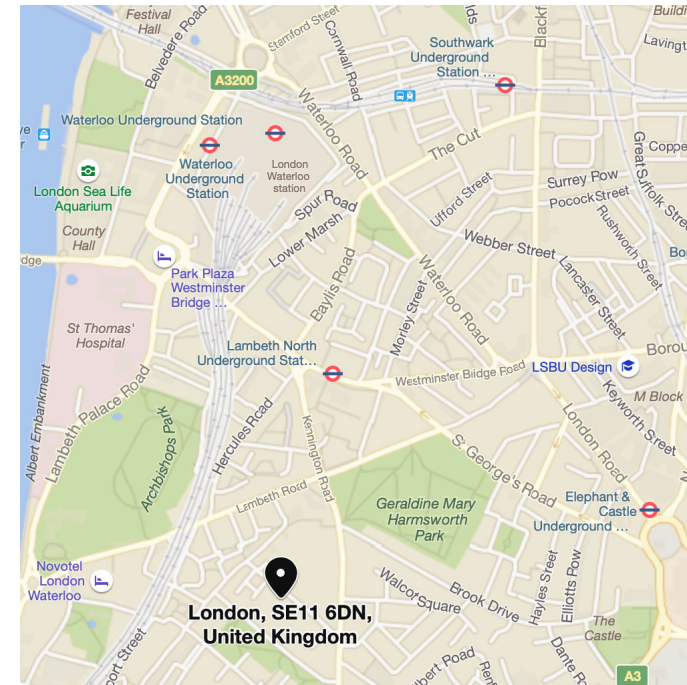
Saturday 23rd February 2019

10:30-4:30pm

Roots and Shoots, The Vauxhall Centre,  
Walnut Tree Walk, Lambeth, SE11 6DN.

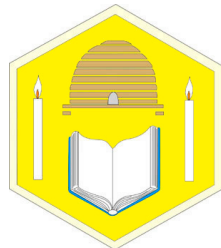
Nearest underground: Lambeth North or Waterloo

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



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

Registered Charity Number: 278710



ANNUAL GENERAL MEETING 2018  
The 74th Annual General Meeting  
will be held during the Spring Meeting  
at Roots and Shoots,

The Vauxhall Centre, Walnut Tree Walk, Lambeth SE11 6DN on  
Saturday 24th February 2018, at approximately 12 noon.

#### AGENDA

1. Apologies for absence
2. Minutes of 2018 AGM
3. Trustees' Report
4. Treasurer's Report and Approval of the 2018 Accounts
5. Election of Officers
  - 5.1 President
  - 5.2 Hon Secretary
  - 5.3 Hon Treasurer
6. Election of Committee Members
7. Date of next Annual General Meeting
8. Forthcoming Events

#### Officers 2018:-

President: Prof Robert Pickard  
Treasurer: Harold Clouett  
Secretary: Sue Carter

#### Committee 2018:-

Committee Chairman - Robert Smith  
Programme Secretary - Roger Patterson  
Distribution & Sales Secretary - Bill Fisher  
Website - Simon Wilks

#### Other Committee Members:-

John Chapple, John Gowar, Fiona Matheson, Andrew Gibb,  
Pat Allen

## Programme

- |       |   |
|-------|---|
| 10:30 | Tea, coffee and biscuits  |
| 11:00 | Dr Shona Blair - <b>"Honey – a sweet solution against superbugs"</b>                |
| 12:00 | CABK 73rd Annual General Meeting  |
| 12:40 | Lunch (make your own arrangements or see back page)                                 |
| 14:00 | Professor Juliet Osborne - <b>"Bees and Pollination in a changing environment."</b> |
| 15:00 | Dr Peter Kennedy - <b>"In search of the invader: Tracking Asian hornets."</b>       |

#### Dr Shona Blair - **"Honey – a sweet solution against superbugs"**

Our urgent need for other treatment options, has led to a renewed interest in complex natural products with antimicrobial activity, like honey. One of the most exciting things about the antimicrobial activity of honey is that it works against a very wide range of microbes that cause infections, even antibiotic-resistant superbugs. Apart from its ability to stop superbugs in their tracks, honey also encourages wound healing and stimulates our immune response, and has additional therapeutic qualities, including anti-inflammatory, anti-oxidant, and prebiotic (i.e. boosting gut health) properties.

#### Professor Juliet Osborne - **"Bees and Pollination in a changing environment."**

Juliet will give her perspective on the status of bee populations and pollination across the world, and give examples of her group's research. These will include studies of crop pollination and how to understand the different factors affecting bee populations – focusing on honeybees and bumblebees. A key aspect of her work is understanding bee flight patterns and how these can be used to explain pollination and the vulnerability of bee communities.