

#### **WORKSHOP:**

Diagnostics in honeybees: from sampling to data analyses

August 30 - September 1, 2010 Ghent University, Ghent (Gent/Gand), Belgium





organized by the BEEDOC Diagnostics Department (Prof. Dr. Dirk de Graaf, UGent and Dr. Peter Neumann, ALP)

#### What is BEEDOC?

The BEEDOC (BEes in Europe and the Decline Of Colonies) is an EU-project within the FP7 framework aiming to improve honeybee health. Over three years, 11 European partners from honeybee pathology, chemistry, genetics and apicultural extension will empirically and experimentally fill knowledge gaps in honeybee pests and diseases, including CCD (Colony Collapse Disorder) and quantify the impact of interactions between parasites, pathogens and pesticides to explain intimate mechanisms and reasons for increased honeybee mortality. The BEEDOC will use transcriptome analyses to explore host-pathogen-pesticide interactions and identify novel genes for disease resistance. The BEEDOC will specifically address sublethal and chronic exposure to pesticides and screen how apicultural practices affect colony health. The BEEDOC will also develop novel diagnostic screening methods and develop sustainable concepts for disease prevention using novel treatments and selection tools for resistant stock. The BEEDOC will be linked to various ongoing national and international programs in particular with the COLOSS network. This will ensure not only pan-European but also global visibility, thereby enhancing public awareness of honeybee health. Moreover, these links will also enable to transfer the BEEDOC results to all stakeholders responsible for bee health.

This Workshop is organized by the 'Diagnostics department' of BEEDOC.

### Scope of the Workshop

The work shop will provide state-of-the-art training in various aspects of honeybee diagnosis, ranging from sampling in the field to data analyses. For that purpose, different experts will cover sampling procedures, quality control, the description of the latest diagnostic techniques for most honeybee diseases, as well as national and international strategies and policies. This will provide a broad overview of the field of honeybee diagnosis, thereby offering an an interesting programme for a very diverse audience ranging from researchers, technicians working in honeybee disease laboratories, to experienced beekeepers and policy makers.

## **Preliminary programme**

## **Monday August 30 (afternoon)**

start	end	Topic	Speaker
13.30	14.00	reception	
14.00	14.10	welcome	D. de Graaf
14.10	14.50	EU projects/networks	P. Neumann
14.50	15.30	quality control	H. Imberechts
15.30	15.45	break	
15.45	16.00	transport to the apiary	
16.00	17.30	demonstration: sampling a beehive	F. Jacobs
18.30	-	diner	

## **Tuesday August 31 (morning)**

start	end	Topic	Speaker
09.00	09.10	announcements	P. Neumann
09.10	09.50	honeybee viruses	J. de Miranda
09.50	10.30	selected talk	
10.30	10.45	break	
10.45	11.25	nosemosis	D. de Graaf
11.25	12.05	selected talk	
12.30	-	lunch	

## **Tuesday August 31 (afternoon)**

start	end	Topic	Speaker
14.00	14.10	announcements	D. de Graaf
14.10	14.50	AFB and EFB	M. Watkins
14.50	15.30	selected talk	
15.30	15.45	break	
15.45	16.00	transport to the lab	
16.00	17.00	demonstration: field test AFB/EFB	M. Brunain
19.00	-	social diner	

# Wednesday September 1 (morning)

start	end	Topic	Speaker
09.00	09.10	announcements	D. de Graaf
09.10	09.50	Belgian epidemiological study	B.K. Nguyen
09.50	10.30	national strategies/policies	S. van der Steen
10.30	10.45	break	
10.45	11.25	small hive beetles	P. Neumann
11.25	12.05	selected talk	
12.05	12.30	discussion and closure	

#### Hotel

Express by Holiday Inn Gent Akkerhage 2, B-9000 Gent, Belgium

Tel.: +32 9 222 5885 Fax: +32 9 220 1222

http://www.hiexgent.be/

hotel@hiexgent.be



The **Express by Holiday Inn Gent hotel** offers the best value in Gent with a clean, comfortable room along with free breakfast and unlimited WiFi access for a great price!

Conveniently located next to the UZ Hospital, at less than 2.5 miles from the medieval city centre, the Express by Holiday Inn Gent hotel offers you spacious accommodation with a smart room design and extra long 2,20 meter beds!

This Gent hotel is easy to find just off the E17 motorway at exit 9 H-UZG. The international train station Gent Sint-Pieters is located at a 3 minutes drive, the Gent University at 8 minutes and Brussels Airport Zaventem at less than 45 minutes.

Public transport leaves just next to the spacious hotel parking every 30 minutes, and brings you everywhere in the city fast and easy.

With complimentary breakfast included in all our rates, free wireless internet access available everywhere in the hotel and a large parking, the Express by Holiday Inn Gent hotel is the smartest choice in town for both business and leisure travelers!

The Holiday Inn Express Gent is 100% smoke-free.

#### <u>Price</u>: 97.5 € per night (single room; breakfast and city taxes included)

Reservations should be made directly with Holiday Inn Express Gent via <a href="mailto:reservations@hiexgent.be">reservations@hiexgent.be</a> no later than July 30, 2010. Please refer to the 'BEEDOC - seminar' in your correspondence. So you can benefit our reduced price.

### **Venue - registration**

Gent Meeting Center (next to Express by Holiday Inn Gent Hotel) Akkerhage 2, B-9000 Gent, Belgium

Tel.: +32 9 220 1282 Fax: +32 9 221 2967

http://www.gentmeetingcenter.be/home.html

meetings@gentmeetingcenter.be



<u>Price</u>: 150 € registration fee (including lunches, diners and drinks during breaks; excluding social diner and social events)

Participation requires the returning of the completed **registration form** (see further). Registration will be final upon receipt of advance payment of the registration fee of 150 € no later than **July 30, 2010**.

**Payment** by bank tranfer is requested on:

bank account: 390-0965800-26

<u>account holder</u>: Universiteit Gent, St-Pietersnieuwstraat 25, B-9000 Gent, Belgium

<u>bank address</u>: ING België, Business Centre Gent, Kouter 173, B-9000 Gent, Belgium

**SWIFT-code**: BBRU BE BB 900 (=BIC-Code)

IBAN-code: BE59-3900-9658-0026

Please mention 'Workshop BEEDOC + YOUR NAME + B/11134/02' on the transfer form.

### **Abstracts**

The programme still has some open slots. Participants that are willing to give an oral or poster presentation are requested to return us, together with the registration form, a short abstract (summary) with the names and affiliations of the (co-) author(s). Four abstracts will be selected for oral presentation.

Invited speakers are also requested to send us an abstract of their talk.

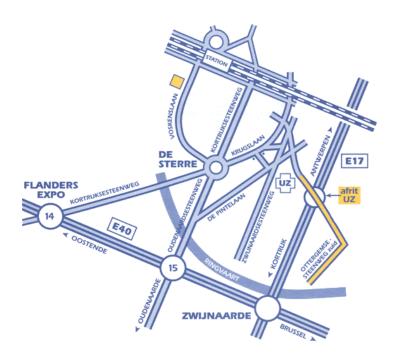
#### **Secretariat**

Marleen Brunain Laboratory of Zoophysiology K.L. Ledegackstraat 35 B-9000 Ghent, Belgium

Tel.: +32 9 264 5151 Fax: +32 9 264 5242

E-mail: Marleen.Brunain@UGent.be

### Map (venue and hotel)



#### Prof. Frans J. Jacobs

From September 1, 2010 on, Prof. Frans J. Jacobs will resign as Head of the Flemish 'Informatiecentrum voor Bijenteelt' (Engl.: Information Centre for Apiculture). The organizers would like to dedicate this Workshop to him for his contribution to beekeeping and honey bee research in Flanders and the world. Prof. Jacobs will continue his academic duties.



#### Social dinner

On Tuesday (August 31) evening we have scheduled a Social dinner in one of the finest restaurants of our city.

Price: 55 € (facultative)

Payment should be done together with the registration fee.

#### **Social events**

Ghent is a historic city, yet at the same time a contemporary one. The modern daily life of the city's active inhabitants plays itself out against a gorgeous historical backdrop. In Ghent, they live, work and enjoy life over and over again each day.

A couple enjoys the peace of an authentic beguinage. Parents and children stroll through the traffic-free streets of the city centre. A tourist snaps a photo of the three towers, as so many have before, but just a little differently. A businessman with an iPhone walks along the distinctive Graslei, crosses the Lys and enters his stylish four-star hotel hiding behind a medieval facade. Dozens of pavement cafes invite you to discover Ghent's specialities. The sun is reflected in the many waterways. The city is alive and bids you welcome.

On **Wednesday September 1** in the afternoon (thus just after Workshop closure) we have have scheduled a tourist's package **'Introduction to historical Ghent**'. This includes:

- guided walk through the city with a qualified guide, including a visit to St Bavo's Cathedral
- visit to the Castle of the Counts or the House of Alyn
- boat trip in the "heart of Ghent". Departure Graslei, jetty Gent Watertoerist (40 minutes)

**Duration** 3h30

Price: 25 € (facultative)



Payment should be done together with the registration fee.

More touristic information at:

http://www.visitgent.be/eCache/VGG/3/114.dmdfbGFuZz1FTg.html

### **Registration form**

To be completed and to be send to the Workshop Secretariat no later than July 30, 2010.

NAAM:		
FUNCTION/TITLE:		
AFFILIATION:		
E-MAIL:		
TEL.:	FAX:	
will participate at the Workshop: 'Diagnos August 30 - September 1, 2010 in Ghent,		npling to data analyses' from
	<ul><li>☐ (indicate if applicable)</li><li>☐ (indicate if applicable)</li></ul>	
[For invited speakers only: I will come onl	y the day of my talk:	☐ (indicate if applicable)
NUMBER OF COMPANION PERSONS:		
NAME(S) OF THE COMPANION PERSONS:		
I HAVE INCLUDED AN ABSTRACT FOR:	<ul><li>oral presentation</li><li>poster presentation</li></ul>	<ul><li>☐ (indicate if applicable)</li><li>☐ (indicate if applicable)</li></ul>
I HAVE NOT INCLUDED AN ABSTRACT :	☐ (indicate if applicable	)
PAYMENT WAS DONE: □	NOT YET DONE : $\Box$ (indic	ate if applicable)
AND INCLUDES / WILL INCLUDE:	<ul><li>registration fee: 150 €</li><li>social diner: 55 €</li><li>social events: 25 €</li></ul>	<ul><li>☐ (indicate if applicable)</li><li>☐ (indicate if applicable)</li><li>☐ (indicate if applicable)</li></ul>
I WILL STAY AT THE Holiday Inn Express Ho (Hotel reservation should be made direct)		NO □ (indicate if applicable) ess Hotel Gent)
IF YOU PROVIDE US YOUR FLIGHT NUMBE		