



## Mid-term meeting Paris December 2015

### REPORT

#### Discussion among the medical entomology work package (WP4)

This discussion took place at the end of the mid-term meeting of the MediLabSecure project on the 17<sup>th</sup> December 2015 from 11:45 AM to 12:50 AM.

This session was the opportunity for the members of the MediLabSecure network to discuss entomological issues during an open round table discussion.

#### Participants

This session involved the participants of the medical and veterinary entomology group. In total 13 members of 13 laboratories participated to the discussion. Their names, e-mails and affiliations are listed in the Table.

Vincent ROBERT, the WP4 leader, framed the discussion and Kathleen VICTOIR, the WP1 leader, also assisted and participated to the discussion.

**Table :** List of participants of the round table discussion of WP4

Country	Institute	Laboratory	WP	Participating person	E-mail
<b>Albania</b>	Institute of Public Health	Entomologist, Vector Control Unit, Control of Infectious Diseases Department	Medical entomology	<b>Enkelejda DIKOLLI</b>	keladikolli@yahoo.com
<b>Algeria</b>	Pasteur Institute of Algeria	Eco épidémiologie parasitaire et génétique des Populations	Medical entomology	<b>Zoubir HARRAT</b>	zharrat@gmail.com
<b>Bosnia and Herzegovina</b>	PI Veterinary Institute of the Republic of Srpska "Dr Vaso Butozan" Banja Luka	Sector for laboratory diagnostic	Medical entomology	<b>Jelena MARIC</b>	jelena.maric@virsvb.com
<b>Egypt</b>	Ain Shams University	Medical and Veterinary Entomology Laboratory	Medical entomology	<b>Mohamed Amin KENAWY</b>	mohamedkenawy85@yahoo.com
<b>Kosovo</b>	University of Prishtina "Hasan Prishtina"	Veterinary Medicine	Medical Entomology	<b>Afrim HAMIDI</b>	afirim.hamidi@uni-pr.edu
<b>Lebanon</b>	Lebanese University	Laboratory of Immunology	Medical entomology	<b>Nabil HADDAD</b>	nhaddad@ul.edu.lb
<b>Moldova</b>	Institute of Zoology ASM	Laboratory of Systematics and Molecular Phylogeny	Medical entomology	<b>Tatiana SULESCO</b>	tatiana_sulesco@yahoo.com
<b>Montenegro</b>	Biotechnical faculty	Laboratory for applied zoology	Medical entomology	<b>Igor PAJOVIC</b>	pajovicb.igor@gmail.com
<b>Morocco</b>	Institut Pasteur du Maroc	Maladies Vectorielles	Medical entomology	<b>M'hammed SARIH</b>	mhammed.sarih@pasteur.ma
<b>Serbia</b>	Faculty of Agriculture, University of Novi Sad	Laboratory for Medical and Veterinary Entomology	Medical entomology	<b>Marija ZGOMBA</b>	mzgomba@polj.uns.ac.rs
<b>Tunisia</b>	Institut Pasteur de Tunis	Laboratoire d'entomologie médicale	Medical entomology	<b>Ali BOUATTOUR</b>	ali.bouattour@pasteur.rns.tn
<b>Turkey</b>	Hacettepe University	Faculty of Science, Biology Department, Ecology Section, Ecological Sciences Research Laboratories	Medical entomology	<b>Filiz GUNAY</b>	gunayf@gmail.com
<b>Ukraine</b>	State Body "Ukrainian I.I. Mechnikov Research Anti-Plague Institute of Ministry of Health of Ukraine"	Laboratory of Especially Dangerous Infections Epizootology	Medical Entomology	<b>Oleksandr OVCHAROV</b>	entomolab.aps@gmail.com

## **Introduction (by Vincent Robert)**

The discussion was introduced by saying that any comment / feedback / suggestion is welcome, directly or during the next weeks. Especially concerning:

- 1) the present 2.5 days of midterm project meeting,
- 2) the next 2 years 2016-17 of our MediLabSecure project,
- 3) a possible extension on CCHF - CCHFV and vector ticks,
- 4) a possible realization of a comprehensive database for arbovirus/arbovirosis informations.

## **The concern of vector control (especially mosquito) and insecticide resistance**

Number of participants underlined their difficulty in terms of strategy, logistic, practice and budget for any realization of vector control. Such questions are not easily resolved in routine and the difficulties are by far more important during an outbreak.

The municipalities are in charge for vector control activities in most of countries; that may be a supplementary problem because municipalities have a very variable level of competency.

The question of insecticide resistance was also raised for phlebotome sand-flies.

## **CCHF and ticks**

As expected, most of representative of the Balkans countries are in demand of diagnostic, surveillance, risk assessment, and vectorial considerations, including tick control.

## **Detection of viruses in collected mosquitoes**

Surveillance activities, especially for WNV, require quick detection of the virus within the mosquito batches. It makes sense that the virus detection would be processed by entomologists when virologists are not available but specific competencies and materials are required (Enkelejda DIKOLLI). Alternatively, international cooperation can be fruitfully developed (with Bernhard Nocht Inst Trop Med; Tatiana SULESCO).

## **Offer of intra-MediLabSecure expertise**

The Hacettepe Univ (Pr Bulent Alten lab) proposes its help and know how, to all entomologists who experience difficulties in mosquito species determination, with morphological and molecular methods.

## **Demand of intra-MediLabSecure expertise**

A new insectary has been recently built in the Institut Pasteur of Algeria. New research programs will be developed accordingly. Therefore opportunities/needs exist for some international expert visit.

### **General conclusion on the meeting / Feedback on the midterm project meeting**

All participants express their interest, sometimes their enthusiasm, for the midterm project meeting and congratulate the organizers. One participant told of "an incredible meeting".

