

MedilabSecure (WP4) – Newsletter n°17 – March 2019



Dear network members,

To keep you updated of what's going on within the MediLabSecure project (medical entomology), here is few information.

NEWS FROM MLS.ENTOMO

> **Collecting mosquitoes for External Quality Assessment (EQA).** Identification of vectors is of prime importance in the field of medical entomology for both operational and research purposes. Effort need to be maintain in capacity building and quality control in the morphological identification. As for the first MediLabSecure phase, we plan to organize an EQA on mosquito identification in 2021. This time, we will proceed a bit different as you are going to collaborate at the first step. The idea is that each laboratory collect mosquito specimens to be determined by all the MediLabSecure members. You will receive more details very soon.

> **Medical entomology objectives in the second phase of MediLabSecure.** MediLabSecure is on the way for its second phase. As for the first phase, our entomological actions will be similar to the first phase, namely capacity building activities, networking and expertise. According to number of your feedback, they will focus more deeply on surveillance and vector control. It is important to note that we will consider trainings with a "Train the trainer" approach. Our aim is that after being trade, you will organize an event to disseminate what you will have learned. Any kind of activities within your lab/country/region on the topic you want/you feel comfortable on can be envisaged. We will come back to this issue later on.

> **Entomological surveillance publications.**

The article "*Towards harmonisation of entomological surveillance in the Mediterranean area*" is in press in PLoS Neglected Tropical Diseases. This is clearly a collaborative work, all heads of entomo labs are co-authors.

The document "[Roadmap towards harmonization of entomological surveillance systems in the Mediterranean area regarding transmission risks of mosquito-borne viruses](#)" is online on the MediLabSecure website.

> **EMCA Conference.** The MediLabSecure project (entomo) has been presented to the EMCA conference last week in La Rochelle, France, with an oral presentation "[Capacity building for the entomological surveillance in the Mediterranean area: MediLabSecure outcomes and follow-up](#)" (Robert V et al) and two posters: "[Distribution chart for Euro-Mediterranean mosquitoes \(western Palaearctic region\)](#)" (Robert V et al) and "[Entomological surveillance in the Mediterranean area: how far harmonisation?](#)" (Picard M et al).

> **Medical entomology in video.** This [3-minute video "Medical entomology explained in motion design"](#) explains medical entomology in the Mediterranean area. Feel free to watch, share, and use this tool. We would also be happy to have your feedback. To be mentioned that a French version would be soon available.

MEDILABSECURE IN SHORT

> **Call for NGS data analysis workshop.** A MediLabSecure cross-sectoral high level workshop on Next Generation Sequencing (NGS) data analysis might be organized by the coordinators of the human virology work package at Institut Pasteur Paris next October. The idea would be to create a workshop primarily for MediLabSecure members with a focus on the use of next generation sequencing for diagnostic purposes. The participants should have a strong interest for the workshop with a clear and a defined use (or planned use) of NGS in their labs. In case you are interested in this training, please send an email to Guillain Mikaty (guillain.mikaty@pasteur.fr) with a copy CC to mls.entomo@ird.fr.

VECTOR WORLD

> **MOOC Medical Entomology #2 just started.** This online course that deals with insect vectors and transmission of pathogens started last Monday. Anna-Bella Failloux (Institut Pasteur Paris) and Vincent Robert (IRD) are directors of this MOOC. If you haven't registered yet, it is still time: <https://www.fun-mooc.fr/courses/course-v1:pasteur+96003+session02/about>

> **AIM COST.** This [Aedes Invasive Mosquito \(AIM\) COST project](#) led by Alessandra Della Torre (Sapienza, Italy) and Dusan Petric (Univ Novi Sad, Serbia) started last year. Many countries of the MediLabSecure project are involved. [Trainings](#) and [Short-term scientific mission](#) are planned for the next three years. We will keep you updated about opportunities.

ENJOY READING

> [Manual on prevention of establishment and control of mosquitoes of Public Health](#) importance in the WHO European Region (with special reference to invasive mosquitoes), by Willem Takken, Henk van den Berg, WHO Europe, 2018

> [Arthropod Containment Guidelines, Version 3.2](#), American Committee of Medical Entomology of the American Society of Tropical Medicine and Hygiene, 2019

> [Origin and expansion of the mosquito *Aedes aegypti* in Madeira Island \(Portugal\)](#), Seixas et al., 2019

> [Alternative strategies for mosquito-borne arbovirus control](#), Achee et al., 2019

> [A historical review on vector distribution and epidemiology of human and animal leishmanioses in Eastern Europe](#), Mihalca et al., 2019

> [An overview of mosquitoes and emerging arboviral infections in the Zagreb area, Croatia](#), Klobucar et al., 2016

If you have any suggestions or information you wish to share, please let us know and send an email to the discussion list mls.entomo-all@listes.ird.fr.

All the previous entomo newsletters are available on the [MediLabSecure website](#).