



# DBEM Lab Talk



Friday 20 February  
11:00-12:00 a.m  
CTT Sala Gialla (5203)

## Title

*Aedes koreicus*, a new invasive mosquito in Italy: from the field to the lab

## Abstract

*Aedes (Finlaya) koreicus* (Edwards 1917) is a mosquito species native from the South-East of Asia (Korea, Japan, China). In Europe, it is considered an invasive mosquito species first detected in Belgium and in Italy, in 2008 and 2011 respectively. While *Ae. koreicus* is established in a limited area in Belgium, it seems to spread in the north Italy.

Thus, in 2014, a large-scale survey has been conducted in the northeastern Italy (Trentino and Veneto) to monitor the spatio-temporal distribution of invasive mosquito species, including *Ae. koreicus*, and to characterize their breeding sites. This survey clearly showed that *Ae. koreicus* expanded its range and colonised new areas in Trentino.

Facing this growing concern, the biology and the ecology of this species need to be investigated. Therefore, a laboratory colony of *Ae. koreicus* has been established with the aim to assess the effect of different biotic and abiotic parameters, such as temperature, diet, larval density and/or presence of competitive species, on the development of this species.

In this lab talk, I will sum up the main results from our field work, and I will describe the establishment of a laboratory colony of *Ae. koreicus*, and some preliminary biological observations.

## Speaker

Frédéric Baldacchino, Post-doc, Animal Ecology Group

## Contacts

[fredericbaldacchino@fmach.it](mailto:fredericbaldacchino@fmach.it), [matteo.marcantonio@fmach.it](mailto:matteo.marcantonio@fmach.it)