

# Medical Entomology & Biology of Disease Vectors 2014-2015

**Head of Lab :** Paul T. Brey Ph.D.

Email: p.brey@pasteur.la

## **Main objective of the lab**

The main objective of our lab is to study the biology and ecology of arthropod vectors (mosquitoes, sandflies, ticks, snails, etc.), as well as the transmission cycles of the viruses, parasites and other microbial pathogens they transmit. Furthermore, we are working on ways to mitigate vector borne disease transmission in Lao PDR via vector control training programs.

## **Team:**

Scientists:

1. Sébastien MARCOMBE, PhD

Junior Scientists:

1. Khamsing VONGPHAILOTH, MD

2. Phoutmany THAMMAVONG, MD

3. Julie BOBICHON, MS

Technicians:

1. Boutsady SOMPHONG

2. Lae THUTKHIN,

3. Khanthalak KHOUNSOMBAT, BS PhD

4. Nothasine PHOMMAVANH

PhD. Student:

1. Julie-Anne TANGENA, MS

## **Project carried on in the lab**

+Insecticide resistance in malaria vectors in Lao People's Democratic Republic and Thailand and capacity building in medical entomology (MALVEC)

- +Risk Of Vector-Borne Diseases In Relation To Rubber Plantations In Lao PDR (ECOMORE)
- +Vector mapping, characterization of insecticide resistance of Aedes populations, and entomology capacity development in Lao PDR (ARBOVEC)
- +Tick and tick-borne diseases in Lao PDR (Tick-borne)