



Regional Workshop-training in Bangkok, in human and animal Health (One Health):

“Parasitological, serological and molecular techniques applied to the diagnosis of trypanosome infections”

with the financial support of the French Ministry of Foreign Affairs, and *ComAcross* project.

2-6th November 2015,
BioZoonoSEA Platform,
Kasetsart University,
Bangkok, Thailand

A BioZoonoSEA Workshop

Under the umbrellas of **BioZoonoSEA**, the “Biotechnology Platform for Research and Training on Parasitic Zoonoses in South East Asia”, **NAHIAT**, the “Network on Atypical Human Infections by Animal Trypanosomes”, **GREASE** network “Management of Epidemiological Emerging Risk in South East Asia”, and with the financial support of the **French Ministry of Foreign Affairs**, French Embassy, Bangkok, Thailand, and **ComAcross** Project “Companion Approach for Cross-sectoral collaboration in health risks management in SEA”, we are pleased to inform you about the Workshop-Training entitled:



“Parasitological, serological and molecular techniques applied to the diagnosis of trypanosome infections”

will be held from 2nd to 6th November 2015 in the
BioZoonoSEA laboratories, Kasetsart University, Bangkok, Thailand

in partnership with **Kasetsart University** and the French institutes
CIRAD and **IRD**.

This Workshop / Training for young scientists and/or technical staff or students, will aim at increasing technical skills (capacity building) in the field of the diagnosis and the epidemiology of zoonotic parasitic diseases in human and animals. It will focus on parasitological, serological and molecular methods, for detection and identification of parasitic infections, based on the model of Trypanosome infections.

The total number of participants is limited to 10/12.

Participants must send their CV and scan of their passports to the workshop coordinators before 24th October 2015.

Workshop coordinators:

Pr Sathaporn Jittapalapong, Faculty of Veterinary Medicine, Kasetsart University, Bangkok, Thailand; fvetspj@ku.ac.th

Dr Marc Desquesnes, CIRAD, International Center for Cooperation in Agricultural Research for Development, UMR InterTryp/FVM/KU, Thailand; marc.desquesnes@cirad.fr

Dr Stéphane Herder, IRD, Institut de Recherche pour le Développement, UMR InterTryp/FVM/KU, Thailand; stephane.herder@ird.fr

Workshop Schedule (see below)

Workshop-Training on parasitological, serological and molecular techniques applied to the diagnosis of trypanosome infections

BioZoonoSEA Platform, Bangkok, Thailand, 2-6 November 2015



Workshop schedule	Monday 2nd November 2015	Tuesday 3rd November 2015	Wednesday 4th November 2015	Thursday 5th November 2015	Friday 6th November 2015
8H30-10H00	Welcome and Planning	Serology ELISA : Coating and dilution of serum samples	DNA purification Kit from <i>T. evansi</i> infected rats	DNA purification Kit from <i>T. lewisi</i> infected rats	Isolation of DNA from agarose gel
10H00-10H30	coffee break	coffee break	coffee break	coffee break	coffee break
10H30-12H00	parasitology : HCT, blood smears, reading	ELISA : blocking, dilution and transfer	PCR: preparation of reagents Master mixt, thermocycling	PCR: preparation of reagents Master mixt, thermocycling	sequence handling and analyse (BLAST)
12H00-13H00	Lunch time	Lunch time	Lunch time	Lunch time	Lunch time
13H00-15H00	parasitology : HCT, blood smears, reading Serology CATT	ELISA: conjugate, substrate and reading	PCR: gel preparation and loading of samples	PCR: gel preparation and loading of samples	Discussion and evaluation
15H00-15H30	coffee break	coffee break	coffee break	coffee break	coffee break
15H30-17H00	Serological test: CATT	DNA sample preparation theory and Chelex preparation	PCR: reading, interpretation and discussion	PCR: reading, interpretation and discussion	Closing ceremony