



Research and Lifelong Learning Center for
Urban and Environmental Entomology
(RESCUE), Kasetsart University,
50 Ngam Wong Wan Rd., Lat Yao,
Chatuchak, Bangkok 10900, Thailand

13rd January, 2025

Subject: A 2-day course on mosquito culture

To: Assist. Prof. Ju-Hyeon Kim

The Research and Lifelong Learning Center for Urban and Environmental Entomology (RESCUE), based at Kasetsart University, is offering a 2-day course on “**Mosquito Rearing and Identification**”. The course will focus on equipping participants with the practical skills needed to establish and maintain mosquito colonies in a laboratory environment. This will include in-depth training in *Anopheles dirus* force mating, artificial feeding, and sustainable laboratory culturing to contribute to mosquito-borne disease research.

The responsibility for the training fee lies with Seoul National University (SNU) as stipulated in this agreement. Please review the enclosed documents. If you agree to the terms outlined in this document, please sign and date this contract

Signature

Name: Ju Hyeon Kim

Position: Assistant Professor

Date: 20 / JAN / 2025

Signature

Name: Prof. Theeraphap Chareonviriyaphap

Position: Director, RESCUE

Date: 17 / Jan / 2025

Workshop Outline: “Mosquito Rearing and Identification” (From 19 to 20 February 2025)

Date	Time	Lessons	Venue	Trainers
Day 1 19 (Wed.) Feb. 2025	09:00-12:00	Orientation (1) : Visiting the Department facilities (Bee Learning Center, BSF farm, etc.) : Mosquito laboratory tour : Pre-view handouts	Mosquito lab. (RESCUE)	Prof. Theeraphap Dr. Chris Mr. John Mr. Oat
	13:00-16:00	Mosquito lab. culturing methods (1) : Force mating (<i>Anopheles dirus</i>) : Artificial feeding system : Maintenance of colonies: <i>Anopheles</i> spp.	Mosquito lab. (RESCUE)	Prof. Theeraphap Dr. Chris Mr. John Mr. Oat
Day 2 20 (Thu.) Feb. 2025	09:00-12:00	Mosquito identification class : <i>Anopheles</i> spp. : <i>Aedes</i> & <i>Culex</i> spp. Hands-on practice	Mosquito lab. (RESCUE)	Prof. Theeraphap Dr. Chris Mr. John Mr. Oat
	13:00-16:00	Mosquito lab. culturing methods (2) : Force mating (<i>Anopheles dirus</i>) (review) : Mosquito culturing process : Maintenance of colonies: <i>Aedes aegypti</i> , <i>Culex quinquefasciatus</i>	Mosquito lab. (RESCUE)	Prof. Theeraphap Dr. Chris Mr. John Mr. Oat

Fee for the workshop on “Mosquito Rearing and Identification”

The course will be conducted from February 19 to 20, 2025, and the daily fee is THB 10,000 per participant (total THB 20,000). Food and lodging are not included. A 10% indirect fee will be added to the total cost.

Description	Budget Line	Budget (THB)	Budget (KRW)
Training course fees		20,000.0	845,143.6
Lesson 1 (10,000 THB) - Orientation (mosquito laboratory facility tour) - Mosquito artificial feeding system - Mosquito lab. culturing (<i>Anopheles</i> spp.) - <i>Anopheles dirus</i> force mating (1)	Mosquito Specimens	2,500	105,643.0
	Insectary Facilities	2,500	105,643.0
	KU Facilitators Costs	2,500	105,643.0
	Handouts, stationaries	500	21,128.6
	Bench Charge (2,000 THB/Person/Day)	2,000	84,514.4
Lesson 2 (10,000 THB) - Mosquito identification (<i>Anopheles</i> spp.) - Mosquito lab. culturing (<i>Aedes</i> spp., <i>Culex quinquefasciatus</i>) - <i>Anopheles dirus</i> force mating (2)	Mosquito Specimens	2,500	105,643.0
	Insectary Facilities	2,500	105,643.0
	KU Facilitators Costs	2,500	105,643.0
	Handouts, stationaries	500	21,128.6
	Bench Charge (2,000 THB/day)	2,000	84,514.4
Utilities expense for Department of Entomology	10% of total cost	2,000	84,514.4
Total estimated budget		22,000.0	929,658.0