

Laboratory Training and Risk Management Workshop Agenda
Mahidol University, Amnatcharoen Campus,
6-10 July 2015

Date	Time	Participant	Program	Speaker /Facilitator	Room No.	
6-Jul-2015	9.00 - 9.30	All	Registration			
	9.30 - 9.45	All	Open remarks: Vice President of Mahidol University, Amnatcharoen Campus	Dr.Hansa Taesiri, M.D.	2307	
	9.45 - 10.15	All	Key infectious risks in ASEAN and how to manage them	Dr. Prasit Palittapongarnpim	2307	
	10.15 - 11.00	All	Disease surveillance in EID era	Dr. Moe Oo Ko (MBDS)	2307	
	11.00 - 11.15	All	Coffee Break		2307	
	11.15 - 12.00	All	Overview: Clinical aspect of dangerous pathogens in the project including Influenza, <i>Burkholderia pseudomallei</i> (BP) and <i>Salmonella</i>	Dr. Arunee Thitithanyanont	2307	
	12.00 - 13.00		Lunch			
	13.00 - 13.50	All	Principle of risk management for laboratory handling of dangerous pathogens	Dr. Arunee Thitithanyanont	2307	
	13.50 - 14.20		Trainee	Practice session (all laboratory trainee will be separated into 2 groups) <ul style="list-style-type: none"> • How to use proper personal protective equipment (PPE) • Biological safety cabinets (BSC) and good laboratory techniques • Biological safety cabinets (BSC) and good laboratory techniques • How to use proper personal protective equipment (PPE) 		
			Group 1			
			Group 2			
			Group 1			
			Group 2			
	14.50 - 15.05	All	Coffee Break			
	15.05 - 15.35		Trainee	Practice session (all laboratory trainee will be separated into 2 groups) Emergency procedures: Response to spill inside BSC and handling needle sticks	Dr. Arunee Thitithanyanont	BSL-2
			Group 1			
			Group 2			
			Group 1			
			Group 2			
	16.05 - 16.15	All	Demonstration Waste management	Ms. Suwimon Wiboon-ut	Lab	
18.00 - 20.00	All	Welcome dinner				

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7-Jul-2015	9.00 - 9.45	All	Field epidemiology training in EID era: FETN and Mers-CoV preparedness	Dr. Chakrarat Pittayawonganon	2307
	9.45 - 10.00	All	Coffee Break		
	10.00 - 12.00	There are 2 separate sessions for MBDS team and laboratory trainee			
	10.00 - 12.00	MBDS team	Discussions on the three main components for reducing the risks from dangerous pathogens <ul style="list-style-type: none"> • Personal protection device: Lecture and Demonstration • Physical structures • Safe standard operation protocols 	Dr. Prasit Palittapongarnpim	2307
	10.00 - 10.45	Trainee	Practice session: Sample collection How to collect sample from soil for the isolation of <i>B. pseudomallei</i>	Dr. Kamolchanok Rukseree	Field work
	10.45 - 11.05	Trainee	Demonstration How to collect sample from live poultry for the isolation of <i>salmonella</i> and influenza	Dr. Witthawat Wiriyarat	Field work
	11.05 - 12.00	Trainee	Practice session: Sample collection How to collect sample from dead poultry for the isolation of <i>salmonella</i> and influenza	Dr. Witthawat Wiriyarat	Lab
	12.00 - 13.00	All	Lunch		
	13.30 - 15.00	There are 2 separate sessions for MBDS team and laboratory trainee			
	13.30 - 15.00	MBDS team	Updates on Influenza, MERS-CoV and other coronaviruses	Dr. Arunee Thitithanyanont	2307
	13.00 - 13.30		Practice session (all laboratory trainee will be separated into 2 groups)		
		Trainee gr. 1	Overview of <i>salmonella</i> laboratory protocol and workflow How to fill project datasheet	Dr. Soraya Chaturongakul	Lab
		Trainee gr. 2	Inoculation of <i>salmonella</i> (use BSC)	Dr. Sirirak Supa-Amornkul	BSL-2

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13.30	- 14.00		Practice session (all laboratory trainee will be separated into 2 groups)		
		Trainee gr. 1	Inoculation of <i>salmonella</i> (use BSC)	Dr.Sirirak Supa-Amornkul	BSL-2
		Trainee gr. 2	Overview of <i>salmonella</i> laboratory protocol and workflow How to fill project datasheet	Dr. Soraya Chaturongakul	Lab
14.00	- 14.20	Trainee	Practice session Overview of <i>B. pseudomallei</i> laboratory protocol and workflow How to fill project datasheet	Dr. Kamolchanok Rukseree	Lab
14.20	- 14.40		Practice session (all laboratory trainee will be separated into 2 groups)		
		Trainee gr. 1	Isolation of <i>B. pseudomallei</i> from soil using selective broth/ agar (use BSC)	Ms. Phajongjit Karraphan	BSL-2
		Trainee gr. 2	Demonstration of the entire <i>B. pseudomallei</i> identification system used in the project i.e. colony morphology observation, biochemical test, latex agglutination & antimicrobial susceptibility test	Dr. Kamolchanok Rukseree	Lab
14.40	- 15.00		Practice session (all laboratory trainee will be separated into 2 groups)		
		Trainee gr. 1	Demonstration of the entire <i>B. pseudomallei</i> identification system used in the project i.e. colony morphology observation, biochemical test, latex agglutination & antimicrobial susceptibility test	Dr. Kamolchanok Rukseree	Lab
		Trainee gr. 2	Isolation of <i>B. pseudomallei</i> from soil using selective broth/ agar (use BSC)	Ms. Phajongjit Karraphan	BSL-2
15.00	- 15.15		Coffee Break		
15.15	- 15.45	Trainee	Practice session: Sample collection Preparation of embryonated chicken egg for inoculation	Ms. Suwimon Wiboon-ut	2108
15.45	- 16.15		Practice session (all laboratory trainee will be separated into 2 groups)		
		Trainee gr.1	Overview of influenza laboratory protocol and workflow How to fill project datasheet	Dr. Arunee Thitithanyanont	Lab
		Trainee gr. 2	Inoculation of sample into the egg (use BSC)	Ms. Suwimon Wiboon-ut	BSL-2

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	16.15 - 16.45		Practice session (all laboratory trainee will be separated into 2 groups)		
		Trainee gr. 1	Inoculation of sample into the egg (use BSC)	Ms. Suwimon Wiboon-ut	BSL-2
		Trainee gr. 2	Overview of influenza laboratory protocol and workflow How to fill project datasheet	Dr. Arunee Thitithanyanont	Lab
8-Jul-2015	9.00 - 12.00	There are 2 separate sessions for MBDS team and laboratory trainee			
	9.00 - 10.00	MBDS team	Update on <i>salmonella</i> and <i>E. coli</i>	Dr. Soraya Chaturongakul	2307
	10.00 - 11.00	MBDS team	Update on <i>B. pseudomallei</i>	Dr. Kamolchanok Rukseree	2307
	11.00 - 12.00	MBDS team	Update on Tuberculosis	Dr. Prasit Palittapongarnpim	2307
	9.00 - 9.45		Practice session: Influenza		
		Trainee	• Checking the embryos inside the infected eggs at day1 post inoculation	Ms. Suwimon Wiboon-ut	2108
	9.45 - 10.30		Practice session: Influenza		
		Trainee	• Viral harvesting and hemagglutination (use BSC)	Ms. Suwimon Wiboon-ut	BSL-2
	10.30 - 10.45		Coffee Break		
	10.45 - 12.00		Practice session: Influenza		
		Trainee	• RNA extraction (use BSC) • RT-PCR for detection of M-gene	Ms. Suwimon Wiboon-ut	Lab
	12.00 - 13.00	All	Lunch		
	13.00 - 16.45	There are 2 separate sessions for MBDS team and laboratory trainee			
	13.30 - 15.00	MBDS team	Discussion: Further collaborations between APEIR and MBDS	Dr. Prasit Palittapongarnpim	1212
	13.00 - 14.00		Practice session		
		Trainee	Selective enrichment of <i>salmonella</i> (use BSC)	Dr. Soraya Chaturongakul	BSL-2
	14.00 - 15.30		Practice session		
		Trainee	<i>Salmonella</i> identification using PCR	Dr. Soraya Chaturongakul	Lab
	15.30 - 15.45		Coffee Break		

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	15.45 - 16.45	Trainee	BP identification using biochemical test kit & latex agglutination Antimicrobial susceptibility test <i>PCR identificatin by observation in Salmonella group (optional)</i>	Dr. Kamolchanok Rukseree	Lab
9-Jul-2015	9.00 - 12.00	There are 2 separate sessions for MBDS team and laboratory trainee			
	9.00 - 12.00	MBDS team	Mobile application training	MBDS trainer	2307
	9.00 - 9.45		Practice session		
		Trainee	Influenza detection (gel electrophoresis)	Ms. Suwimon Wiboon-ut	Lab
	9.45 - 10.3	Trainee	<i>Salmonella</i> identification (gel electrophoresis) Serotype identification (computer lab)	Dr. Soraya Chaturongakul	Lab
	10.30 - 10.45		Coffee Break		
	10.45 - 12.00	Trainee	Interpretation of biochemical test result gDNA extraction (<i>optional</i>) <i>Gel electrophoresis by observation in Salmonella group (optional)</i>	Dr. Kamolchanok Rukseree	Lab
	12.00 - 13.00	All	Lunch		
	13.00 - 14.25	All	Microbiome - understanding microbial community with new technology	Dr. Pravech Ajawatanawong	2307
			Lecture/ Discussion	Dr. Arunee Thitithanyanont	2307
	14.25 - 14.45	All	• Subtyping of influenza virus		
			Lecture/ Discussion	Dr. Soraya Chaturongakul	2307
	14.45 - 15.05	All	• Genotyping of <i>salmonella</i>		
	15.05 - 15.20	All	Coffee Break		
			Lecture/ Discussion	Dr. Kamolchanok Rukseree	2307
	15.20 - 15.40	All	• Genotyping of <i>B. pseudomallei</i>		
	15.40 - 16.00	All	Discussion: How to transport positive samples across countries	Dr.Arunee Thitithanyanont	2307
	16.00 - 16.45	All	Discussion: Protocol amendment, problem solving, etc.		2307

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10-Jul-2015	9.00 - 9.45	All	The principles of genotyping and its application in controlling dangerous pathogens	Dr. Prasit Palittapongarnpim	2307
	9.45 - 10.00	All	Coffee Break		2307
			Power point presentation: summary of each pathogen		
	10.00 - 10.20	All	Summary of influenza project	Dr. Arunee Thitithanyanont	2307
	10.20 - 10.40	All	Summary of <i>salmonella</i> project	Dr. Soraya Chaturongakul	2307
	10.40 - 11.00	All	Summary of <i>B. pseudomallei</i> project	Dr. Kamolchanok Rukseree	2307
	11.00 - 11.20	All	Closing remarks	Dr. Prasit Palittapongarnpim	2307
	11.20 - 13.00	All	Lunch		