Antimicrobial Resistance of Bacterial Pathogens Course, Bangkok, Thailand - 19-24 February 2023

Time	Sunday, February 19, 2023	Monday, February 20, 2023	Tuesday, February 21, 2023	Wednesday, February 22, 2023	Thursday, February 23, 2023	Friday, February 24, 2023
07:00						
07:30		Hotel Pick up	Hotel Pick up	Hotel Pick up	Hotel Pick up	Hotel Pick up
08:00	All at Sukosol Hotel	**Lecture 3 (Building A, 17th floor)** Clinical importance of AMR, outbreak and diagnostic stewardship (**Liz A**)	**Lecture 6 (Building A, 17th Floor)** Antimicrobial policies and stewardship, and infection prevention and control (**Aj Pinyo**)	**Computational practical 5** (**Building B, 2nd floor**) Long read assembly (**Fahad and Janjira**)	**Lecture 8 (Building A, 17th floor)** Acquisition and evolution of resistance (**Ewan**)	**Lecture 10 (Building A, 17th floor)** Local AMR epidemiology - investigation transmission of clones and AMR (**Aj Chanwitt**)
09:00		**Lecture 4 (Building A, 17th Floor)** Study design and surveillance methods (**Paul**)	**Computational Practical 3** (**Building B, 2nd floor**) Short-read assembly (**Narender and Liz B**)	**Lecture 7 (Building B, 2nd floor)** Causes and biological mechanisms (**Ewan**)	**Lecture 9 (Building A, 17th floor)** Introduction to Genomic Surveillance of AMR (**Francesc**)	**Lecture 11 (Building A, 17th floor)** AMR and one health (**Chokdee Smithkittipol**)
09:30		Coffee break		**Computational practical 6** (**Building B, 2nd floor**) Detecting resistance using command line (**Francesc**)	Transit break	Transit break
10:00		**Introduction to the 'OUTBREAK'** (**Building B, 2nd Floor**) **Computational Practical 1** Intro to linux / command line (**Liz B**)	Coffee break **Computational Practical 4** (**Building B, 2nd floor**)		**Computational practical 10** (**Building B, 2nd floor**) International Genomic Surveillance of AMR (**Claire and Francesc**)	**Computational practical 14** (**Building B, 2nd floor**) Analysis of resistance in genomes (**Ewan and Narender**)
10:30				Coffee break		
11:00		**Computational Practical 2** (**Building B, Second Floor**) Accessing data and data QC (**Narender and Claire**)	Alignment and variant calling (**Narender and Francesc**)	**Computational practical 7** (**Building B, 2nd floor**) Online Tools (**Narender**)	Coffee break **Computational practical 11** (**Building B, 2nd floor**) National Genomic Surveillance of AMR (**Claire and Francesc**)	Coffee Break **Computational practical 15** (**Building B, 2nd floor**) Revision (**Ewan and Narender**)
11:30						
12:00	**Registration** (6th Floor - Kamolmat Room) **Lunch** (Patummat Restaurant)		**Lunch** (**Building A, 17th Floor**)			
12:30						
13:00	**Welcome and WCS Intro**	Lunch Building A, 17th Floor	**Lab practical 3** (**Building A, 8th Floor**) Read e-tests and broth microdilution	Lunch Building A, 17th Floor	Lunch Building A, 17th Floor	Lunch Building A, 17th Floor
13:30	**Instructor team introductions**		**Lab practical 4 (Building A, 8th Floor)**			
14:00	**Participant talks** 2 mins each	**Lab practical 1** (**Building A, 8th Floor**) AST Part 1 (**Beth, Clare, Kung, Fahad**)	Reading disc plates from day before comparision exercise (**Beth, Clare, Kung, Fahad**)	**Computational practical 8** (**Building B, 2nd floor**) Phylogenetics (**Claire, Francesc, Liz B, Ewan**)	**Computational practical 12** (**Building B, 2nd floor**) Local Genomic Surveillance of AMR (**Claire and Francesc**)	**Computational practical 16** (**Building B, 2nd floor**) wrap-up session
14:30						
15:00	**Advanced Learning and Training (ALT) Part 1** (Isabela and Cassandra)		**In lab lecture - QA / QC and external validation / Quality Management in AST testing** (**Clare**)			
15:30		Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
16:00		**Lab practical 2** (**Building A, 8th Floor**) Set up e-tests and broth microdilution tests. (**Beth, Clare, Kung, Fahad**)	**Lab practical 5** (**Building A, 8th Floor**) Nanopore sequencing demo (**Fahad and Janjira**)	**Computational practical 9** (**Building B, 2nd floor**) Analysing phylogenetics - AMR national (**Francesc, Claire, Liz B, Ewan**)	**Computational practical 13** (**Building B, 2nd floor**) Genomics Surveillance of AMR Analysis of resistance in genomes (**Ewan**)	**ALT Part 2b** (Isabela and Cassandra)
16:30	Break					Wrap-up session and Certificates
17:00	**Lecture 1** Introduction to AMR - historical and epidemiological aspects (**Ewan**)					
17:30		**Lecture 5** (**Building A, 8th Floor**) Molecular methods for AMR (**Beth**)				Bus/walk to Hotel Airport transfer from hotel
18:00	**Lecture 2** Epidemiology of AMR and national surveillance programs in Southeast Asia (**Direk**)			**ALT Part 2a** (Isabela and Cassandra)		
18:30		Bus/walk to Hotel	Bus/walk to Hotel	Bus/walk to Hotel	Bus/walk to Hotel	
19:00	Welcome drinks Kamolporn					
19:30	**Welcome Dinner** Kamolporn (Garden Pavilion 1st Floor)	Dinner (Patummat Restaurant)	Dinner (Patummat Restaurant)	Dinner (Lin Fa restaurant)	Dinner (Lin Fa restaurant)	Dinner for those staying (Lin Fa restaurant)
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