

2024 WOAH training in Japan

Veterinary AMR Center
National Veterinary Assay Laboratory

Dates: November 11 (Mon) – 15 (Fri) 2024, 5 days

Programme

Day 1, 11 November

- **Lectures**

- [Introduction by NVAL](#)
- Lecture: [Basics of AMR -Resistant mechanisms and AST methods](#)
- Lecture: [AMR & AMU related surveillance system in Japan \(JVARM: focusing on the veterinary area\)](#)
- Lecture: Methicillin-resistant Staphylococcus aureus (MRSA)
- Lecture: Trials to set cut-off values using own AMR data
- Lecture: [AMU data collection, analysis and report](#)
- Lecture: [JVARM monitoring for companion animals](#)

Rest of the 5-day training (Day 2-5, 12 – 15 November)

- **Hands-on trainings (Basic)**

- AST method: Broth microdilution method
- AST method: Disk diffusion method
- AST method: CBDE method (one of AST methods specialized for colistin)
- AST method: Agar dilution method
- Genetics Analysis: PCR Detection of resistance genes (Ex. *mecA*, *mcr*), etc.

- **Hands-on trainings (Advanced)**

- MLST and Spa typing (excluding wet procedures),
- Whole genome analysis (excluding wet procedures)
- MALDI TOF-MS

- **Visiting (outside of National Veterinary Assay Laboratory)**

- The ministry of Agriculture, Forestry, and fisheries (To be determined)
- National Institute of Animal Health, National Agriculture and Food Research Organization
- WOAH Tokyo office & the university of Tokyo

- **Miscellaneous**

- Welcome Reception (Japanese cuisine)
- Japanese culture experience

Regional Short-term Training on Antimicrobial Resistance
Tokyo, Japan, 11-15th November 2024
Training Programme

Date	From	To	Content	Place	Document	Trainer
11th Nov. (Mon)	10:00	-	10:30	Opening Ceremony, Photo Session		NVAL, Veterinary AMR Center
	10:30	-	11:00	Introduction by NVAL	Meeting room No.1	Aki Ogura and Yohei Saeki, WOAHH-CC
	11:00	-	11:15	Introduction for AMR Training		Yuta Hosoi, WOAHH-NFP
	11:15	-	11:45	Lecture: Basics of AMR -Resistant mechanisms and AST methods		Mari Matsuda, Veterinary AMR Center
	11:45	-	12:00	Lecture: JVARM (AMR & AMU related surveillance system in Japan)		Hideto Sekiguchi, Veterinary AMR Center
	12:00	-	13:15	Lunch		
	13:15	-	13:35	Lecture: Methicillin-resistant Staphylococcus aureus (MRSA)	Meeting room No.1	Michiko Kawanishi, Veterinary AMR Center
	13:35	-	13:55	Lecture: Trials to set cut-off values using own AMR data		Mio Kumakawa, Veterinary AMR Center
	13:55	-	14:00	Break		
	14:00	-	14:20	Lecture: AMU data collection, analysis and report		Mari Matsuda, Veterinary AMR Center
	14:20	-	14:40	Lecture: JVARM monitoring for companion animals		Saki Harada, Veterinary AMR Center
	14:40	-	15:00	Break		
	15:00	-	15:30	Introduction of lab training	AMR Lab No.2	Mari Matsuda and Saki Harada, Veterinary AMR Center
	15:30	-	17:00	MALDI TOF-MS		
	18:00	-	20:00	Welcome dinner	Restaurant at Tachikawa	
				Move to the Hotel		

Date	From	To	Content	Place	Document	Trainer
12th Nov. (TUE)	7:30	-	8:45	Travel from Tachikawa to the University of Tokyo		
	9:00	-	10:00	WOAH Tokyo office (inside the University of Tokyo)	1-1-1 Yayoi, Bunkyo-ku, Tokyo	
	10:15	-	11:20	Travel from the University of Tokyo to Tsukuba station		
	11:20	-	12:15	Lunch	Near Tsukuba Station	
	12:15	-	12:50	Take a bus (South shuttle) from Tsukuba station to NARO		Yuta Hosoi, WOAHH-NFP
	13:00	-	15:00	National Institute of Animal Health, NARO	3-1-5 Kannondai, Tsukuba, Ibaraki	Yuka Kobayashi, WOAHH-CC
	15:30	-	17:00	Travel from NARO to Asakusa station by the bus and train		
	17:00	-	18:00	Thinking over AMR action plan in Asakusa or Akihabara break up in Asakusa or Akihabara (Hosoi will take those who want to go back to Tachikawa.)		

Date	From	To	Content	Place	Document	Trainer
13th Nov. (WED)	9:30	-	10:50	PCR for the detection of antibiotic resistance genes part1	AMR Lab No.2	Mari Matsuda, Veterinary AMR Center
	10:50	-	11:00	Break		
	11:00	-	12:00	Broth microdilution method	AMR Lab No.2	Saki Harada and Mio Kumakawa, Veterinary AMR Center
	12:00	-	13:00	Lunch		
	13:00	-	15:15	Disk diffusion method part1	AMR Lab No.2	Mio Kumakawa and Saki Harada, Veterinary AMR Center
	15:30	-	16:30	Moving to Kasumigaseki		
	17:00	-	17:30	Introduction of the ministry of agriculture, forestry and fisheries - Risk management and Risk Assessment	1-2-1, Kasumigaseki, Chiyoda-ku, Tokyo	Yuta Hosoi, Veterinary AMR Center
				Move to the Hotel		

Date	From	To	Content	Place	Document	Trainer
14th Nov. (THU)	9:30	-	11:00	Disk diffusion method part2	AMR Lab No.2	Mio Kumakawa and Saki Harada, Veterinary AMR Center
	11:00	-	12:00	PCR for the detection of antibiotic resistance genes part2		Mari Matsuda, Veterinary AMR Center
	12:00	-	13:00	Lunch		
	13:00	-	15:00	Agar dilution method part1	AMR Lab No.2	Michiko Kawanishi, Veterinary AMR Center
	15:00	-	16:00	CBDE method part1		Saki Harada, Veterinary AMR Center
	16:00	-	17:00	WGS part1		Yuta Hosoi, Saki Harada, Veterinary AMR Center
				Move to the Hotel		

Date	From	To	Content	Place	Document	Trainer
15th Nov. (FRI)	9:30	-	12:00	WGS part2	Meeting room No.1	Yuta Hosoi, Veterinary AMR Center
	12:00	-	13:30	Farewell Lunch		
	13:30	-	14:30	Agar dilution method part2	AMR Lab No.2	Michiko Kawanishi, Veterinary AMR Center
	14:30	-	15:00	CBDE method part2		Saki Harada, Veterinary AMR Center
				Break		
	15:15	-	15:30	Reporting, Q&A, Wrap up	Meeting room No.1	NVAL, Veterinary AMR Center
	15:30	-	16:00	Closing Ceremony (issuance of certification)		