

Date/time	Session type	min	Topic	Speaker	Affiliation
<b>Sep 24 – Sep 27: Vaccinology: Science and Public Health – Short course (didactic and interactive sessions)</b>					
<b>Sep 24. 2024 - Tue</b>					
8:30 – 8:55		25	Welcome and overview of course objectives	Koya Ariyoshi, John Edmunds	Nagasaki U, LSHTM
			Introduction of faculty and course participants	Aki Moriya	Nagasaki U,.
			Group photo		
9:00 – 9:25	Lecture	25	History of vaccines	David Heymann	LSHTM
9:30 – 10:20	Lecture	50	Basic immunology	Ken Ishii	University of Tokyo
10:30 – 11:20	Lecture	50	Vaccine types, Modality and platforms of vaccines	Ken Ishii	University of Tokyo
11:30 – 12:00	Lecture	30	Target product profile	Sushant Sahastrabudhe	International Vaccine Insitute, Seoul
12:00 – 13:00	Lunch				
13:00 – 13:50	Lecture	50	AI for vaccine development	Sebastian Kapell	NEC Oncolmmunity AS
14:00 – 14:50	Lecture	50	Vaccine development and manufacturing	Motoharu Abe	KM Biologics
15:00 – 16:00	Practical	60	Role play H5N1 and WHO	David Heymann	LSHTM
16:10 – 16:30	Lecture	20	Evidence to recommendation criteria for NITAGs (WHO guidelines)	Kaja Abbas	Nagasaki U/LSHTM
16:30 – 16:50	Group work	20	Introduction of group activity (Vaccine development & NITAG decision-making)	Hyolim Kang, Sol Kim	Nagasaki U/LSHTM
			and discussion among individual groups		
17:00 – 18:00	Special lecture/research seminar	15	Vaccines against congenital infections - rubella	Michiko Toizumi	Nagasaki University
		15	Leishmaniasis vaccine	Shinjiro Hamano	Nagasaki University
		15	Chikungunya vaccine clinical trials	Sushant Sahastrabudhe	IVI, Seoul
		15	Q/A and panel discussion	Chair: Ken Ishii	University of Tokyo
18:00 – 20:00	Social evening - Mount Inasa (optional)				

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<b>Sep 25. 2024 - Wed</b>					
8:30 – 8:55	Group discussion/reflection	25	Group discussion by students to reflect on their learning (of past day)	Kaja Abbas	Nagasaki U/LSHTM
9:00 – 9:50	Lecture	50	Surveillance and burden estimation	David Heymann	LSHTM
10:00 – 10:50	Lecture	50	Vaccine efficacy, effectiveness, correlates of protection	Aki Moriya	Nagasaki University
11:00 – 12:00	Lecture	60	Clinical trial designs	John Edmunds	LSHTM
12:00 – 13:00	Lunch				
13:00 – 13:50	Lecture	50	Vaccine evaluation - pre-licensure and post-licensure stages	Kaja Abbas	LSHTM
14:00 – 14:25	Lecture	25	Licensing and regulatory aspects	Mugen Ujiie	NCGM, Tokyo
14:30 – 14:55	Lecture	25	Post-licensure pharmacovigilance (vaccine safety)	Ivo Vojtek	GSK Japan
15:00 – 16:00	Practical	60	Vaccine evaluation practical	Kaja Abbas	LSHTM
16:05 – 16:55	Group work	50	Discussion among individual groups	Hyolim Kang, Sol Kim	Nagasaki U/LSHTM
17:00 – 18:00	Special lecture/research seminar	15	Menongoccal vaccination	Caroline Trotter	Cambridge University & Imperial College London
		15	Ebola vaccine trials	John Edmunds	LSHTM
		15	Power of vaccines: from the eradication of smallpox and polio to the fight against antimicrobial resistance	David Heymann	LSHTM
		15	Q/A and panel discussion	Chair: Kouichi Morita	Nagasaki University

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<b>Sep 26. 2024 - Thu</b>					
8:30 – 8:55	Group discussion/reflection	25	Group discussion by students to reflect on their learning (of past day)	Kaja Abbas	LSHTM
9:00 – 9:50	Lecture	50	Infectious disease modelling	Laura Skrip	Nagasaki U/LSHTM
10:00 – 10:50	Lecture	50	Vaccine impact modelling	Caroline Trotter	Cambridge University & Imperial College London
11:00 – 11:50	Lecture	50	Vaccine economics	Kaja Abbas	LSHTM
12:00 – 13:00	Lunch				
13:00 – 13:50	Lecture	50	Economic evaluation of immunization programmes (WHO guidelines)	Mark Jit	New York University
14:00 – 14:25	Lecture	25	Full value of vaccine assessment	Mark Jit	New York University
14:30 – 14:55	Lecture	25	Vaccine delivery	Yasuhiko Kamiya	Nagasaki University
15:00 – 16:00	Practical	60	Computer practical: Cost-effectiveness analysis of vaccination (Excel)	Mark Jit	New York University
16:05 – 16:55	Group work	50	Discussion among individual groups	Hyolim Kang, Sol Kim	Nagasaki U/LSHTM
17:00 – 18:00	Special lecture/research seminar	15	Dynamics of defining immunisation policy - HPV in UK	Mark Jit	New York University
		15	HPV vaccine hesitancy and decision-making in Japan	Hana Tomoi	Nagasaki U/LSHTM
		15	HPV vaccination in Japan and Asian countries, and future opportunities	Noriko Fujita	Nagasaki University
		15	Q/A and panel discussion	Chair: Hiroyuki Moriuchi	Nagasaki University

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<b>Sep 27, 2024 - Fri</b>					
8:30 – 8:55	Group discussion/reflection	25	Group discussion by students to reflect on their learning (of past day)	Kaja Abbas	Nagasaki U/LSHTM
9:00 – 9:25	Lecture	25	Vaccines and AMR	David Heymann	LSHTM
9:30 – 9:55	Lecture	25	Pneumococcal vaccines	Bhim Gopal Dhoubhadel	Nagasaki University
10:00 – 10:25	Lecture	25	Vaccine confidence and hesitancy	Hana Tomoi	Nagasaki U/LSHTM
10:30 – 10:55	Lecture	25	Social mobilisation and risk communication strategies to promote vaccination behaviours	Laura Skrip	Nagasaki U/LSHTM
11:00 – 11:25	Lecture	25	Vaccines and climate change	Hyolim Kang	Nagasaki U/LSHTM
11:30 – 11:55	Lecture	25	Pandemic preparedness	Aurélia Vessière	Nagasaki U/LSHTM
12:00 – 12:15	Group discussion/reflection	15	Group discussion by students to reflect on their learning (of today)	Kaja Abbas	Nagasaki U/LSHTM
12:15 – 14:30	Lunch and prep time				
14:30 – 16:30	Group presentation	120	Presentations by groups (Vaccine development & NITAG decision-making)	Students	
16:30 – 17:00	Closing ceremony	30	Course feedback and closing remarks	Koya Ariyoshi	Nagasaki University