

GCRF Networks Vaccinology Course

Monday 3rd to Friday 7th December 2018, Bangkok, Thailand

Day 1 – Principles of Vaccinology

Time	Topic	Speaker	Institution
08:00 – 09:00	Registration		
09:00 – 09:30	Welcome statement & group photograph		
09:30 – 10:15	Introduction to human and veterinary vaccinology	Prof. Adrian Hill	Director, Jenner Institute, UK
10:15 – 11:00	Human vaccine requirement in South East Asia	Dr. Anh Wartel	Head of Clinical Development and Regulatory, International Vaccine Institute, South Korea
11:00 – 11:30	Break		
11:30 – 12:15	Veterinary vaccine requirements in South East Asia	Dr. Ian Dacre	Deputy Regional Manager, UN FAO, Thailand
12:15 – 13:00	Vaccine immunology	Dr. Tim Connelley	Director, IVVN, Roslin Institute, UK
13:00 – 14:00	Lunch		
14:00 – 14:45	The human vaccine development pathway – an industry perspective	Dr. Sit Thirapakpoomanunt	Deputy Managing Director, GPO-Mérieux, Thailand
14:45 – 15:30	Technologies in vaccine development	Prof. Bryan Charleston	Director, Pirbright Institute, UK and Co-director, IVVN, UK
15:30 – 16:00	Break		
16:00 – 17:00	'Development of subunit vaccines to combat Porcine Circovirus infections, and role of a UK-Thai consortium funded by the GCRF programme'	Prof. Colin Robinson/ Dr. Peera Jaruampornpan	Head of School of Biosciences, University of Kent/ Researcher, Thai National Centre for Genetic Engineering

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Day 2 – Vaccine Technologies and Development

Time	Topic	Speaker	Institution
09:00 – 09:45	The veterinary vaccine development pathway – an industry perspective	Dr. Gwenaelle Dauphin	Coordinator of scientific activities, Ceva Animal Health, France
09:45 – 10:30	Vaccine delivery systems	Prof. Sarah Gilbert	Professor of Vaccinology, Programme Director for Wellcome Trust Strategic Award on Human and Veterinary Vaccine Development, Jenner Institute, UK
10:30 – 11:00	Break		
11:00 – 11:45	Adjuvants	Dr. Anita Milicic	Senior Scientist, Jenner Institute, UK
11:45 – 12:30	Immunogenicity and correlates of protection	Prof. Adrian Hill	Director, Jenner Institute, UK
12:30 – 13:30	Lunch		
13:30 – 14:15	Monitoring immune response: i) B-cells	Dr. Danika Hill	Postdoctoral research fellow, Babraham Institute, UK
14:15 – 15:00	Monitoring immune response: ii) T-cells	Dr. Tim Connelley	Director, IVVN, Roslin Institute, UK
15:00 – 15:30	Break		
15:30 – 16:15	Polio eradication	Prof. David Salisbury	Associate Fellow, Centre for Global Health Security, UK
16:15 – 17:00	Malaria vaccines	Prof. Adrian Hill	Director, Jenner Institute, UK

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Day 3 – Major Vaccine Targets

Time	Topic	Speaker	Institution
09:00 – 09:45	Enteric bacterial diseases	Prof. Stephen Baker	Professor of Molecular Microbiology, NDM Oak Foundation Scientific Leadership Fellow, Wellcome Trust Centre, Ho Chi Minh City, Vietnam
09:45 – 10:30	Foot and mouth disease	Prof. Bryan Charleston	Director, Pirbright Institute, UK
10:30 – 11:00	Break		
11:00 – 11:45	Tuberculosis	Prof. Helen Fletcher	Associate Professor in Immunology and Director, TB Centre, London School of Hygiene and Tropical Medicine, UK
11:45 – 12:30	Meloidosis	Prof. Susanna Dunachie	Associate Professor, Oxford University, UK
12:30 – 13:30	Lunch		
13:30 – 14:15	Bacterial diseases in aquaculture	Prof. Sandra Adams	Professor, Institute of Aquaculture, University of Stirling, UK
14:15 – 15:00	Rabies	Dr. Ian Dacre	Deputy Regional Manager, UN FAO, Thailand
15:00 – 15:30	Break		
15:30 – 16:15	Antimicrobial resistance	Prof. Stephen Baker	Professor of Molecular Microbiology, NDM Oak Foundation Scientific Leadership Fellow, Wellcome Trust Centre, Ho Chi Minh City, Vietnam
16:15 – 17:00	Regulation and ethical issues	Dr. Anh Wartel	Head of Clinical Development and Regulatory, International Vaccine Institute, South Korea

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Day 4 – Vaccine field trials and deployment in developing countries

Time	Topic	Speaker	Institution
09:00 – 09:45	Phase 1 trials	Prof. Helen Fletcher	Associate Professor in Immunology and Director, TB Centre, London School of Hygiene and Tropical Medicine, UK
09:45 – 10:30	Epidemiology and vaccine trial design	Dr. Lorenz von Seidlein	Coordinator, Targeted Malaria Elimination (TME) study, Mahidol Oxford Tropical Medicine Research Unit (MORU), Thailand
10:30 – 11:45	Break		
11:00 – 11:45	Good clinical practice and safety, QC and QA	Dr. Susan Tonks	Research Governance & Programme Manager, Oxford Vaccine Group, UK
11:45 – 12:30	Statistical analysis of vaccine trials	Dr. Mavuto Mukaka	Head of Statistics, MORU, Thailand
12:30 – 13:30	Lunch		
13:30 – 14:15	Human vaccine trials	Dr. Jacqueline Deen	Adjunct Research Professor, Institute of Child Health and Human Development, National Institutes of Health, University of the Philippines, Philippines
14:15 – 15:00	Veterinary vaccine trials	Dr. Georgina Limon-Vega	Postdoctoral scientist, Pirbright Institute, UK
15:00 – 15:30	Break		
15:30 – 16:15	Vaccine security in ASEAN countries	Dr. Charung Muangchana	Director, National Vaccine Institute Thailand

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Day 5 – Influenza as a case study of vaccine design and use

Time	Topic	Speaker	Institution
09:00 – 09:45	Epidemiology of influenza	Dr. Nicola Lewis	Deputy Director. OIE/FAO/EURL International Reference Laboratory for Avian influenza, Swine influenza and Newcastle Disease, UK
09:45 – 10:30	Immunology of influenza	Prof. Sarah Gilbert	Professor of Vaccinology, Programme Director for Wellcome Trust Strategic Award on Human and Veterinary Vaccine Development, Jenner Institute, UK
10:30 – 11:00	Break		
11:00 – 11:45	Influenza vaccine manufacturing	Prof. Sarah Gilbert	Professor of Vaccinology, Jenner Institute, UK
11:45 – 12:30	Novel influenza vaccines	Dr. Gwenaelle Dauphin	Coordinator of scientific activities, Ceva Animal Health, France
12:30 – 13:30	Lunch		
13:30 – 14:15	Influenza vaccine trials	Dr. Punnee Pitisuttithum	Head, Vaccine Trial Centre, Faculty of Tropical Medicine, Mahidol University, Thailand
14:15 – 15:00	The role of the animal health sector in pandemic preparedness for influenza A	Dr. Filip Claes	Regional laboratory coordinator, UN FAO, Thailand
15:30 – 16:00	Break		
16:00 – 16:45	Group discussions		
16:45 – 17:30	Round up and evaluation		