



INTERNATIONAL TRAINING COURSE POULTRY VIRAL DIAGNOSTICS

organized by
DEPARTMENT OF MICROBIOLOGY
March 05-12, 2018



Date/ Day/Venue	Time	Topic of Lecture/Practical	Resource Person
Day-1 05/03/2018; Monday University of Veterinary and Animal Sciences, Lahore UVAS	8:30 – 9:30 am	Registration, Inauguration and pre-course evaluation	VC/Pro-VC/all dean/directors/chairman/Tahir Yaqub
	9.30-10.30 am	Poultry Sector – Livelihoods, Food Security and Socio-cultural Significance	Mr. Hamed Yaqoob Sheikh
	10.30 am – 11.00 am	TEA BREAK	
	11:00am -12:00 pm	GL-1: Status of Poultry diseases (Viral/Bacterial) in South East Asian countries	Dr. Khalid Naeem Khawja
	12:00 am-11:00 pm	GL-2: Avian respiratory viral diseases- Retrospective and Prospective challenges	Dr. Khalid Naeem Khawja
	1.00 pm – 2.00 pm	LUNCH	
	2.00 pm – 03.00pm	L-1: Collection, transportation and preservation of biological specimen	Prof. Dr. Masood Rabbani
	3.00 pm – 4.00 pm	P1: Collection, labelling and transportation of biological specimen	Dr. Arfan Ahmad
	04.00 am - 05.00 pm	P2: Egg inoculation for isolation of poultry viruses	Dr. Muhammad Zubair Shabbir, Dr. Arfan Ahmad
Day-2 06/03/2018; Tuesday University of Veterinary and Animal Sciences, Lahore UVAS	09:00 am-9:45 am	GL3: Molecular tools in study of viral pathogenesis	Dr. Sobia Manzoor (NUST, Islamabad)
	09:45 am-10:30 am	L2: Molecular tools in the study of viral diagnosis, characterization and evolutionary analysis	Prof. Dr. Aftab Ahmad Anjum
	10.30 am – 11.00 am	TEA	
	11.00 am – 01.00 pm	P3: Genome extraction and its quantification; Primer designing & validation	Dr. Asif Nadeem, Dr. Maryiam Javed, Dr. Fatima Ahsan

	1.00- 2.00 PM	LUNCH	
	2.00-3.00	P4: Setting-up PCR and qPCR (avian viruses)	Dr. Muhammad Nawaz, Dr. Sohail Raza, Dr. Asif Nadeem, Dr. Maryiam Javed
	3.00 pm-4.00 Pm	P5: Gel electrophoresis and analysis; : Interpretation of PCR results	Dr. Muhammad Nawaz, Dr. Noreen Sarwar, Mr. Muhammad Furqan Shahid
	4.00 pm-5.00 pm	P6: qPCR results analysis and interpretation	Dr. Muhammad Zubair Shabbir, Muhammad Furqan Shahid and Aziz-ur-Rehman
Day-3 07/03/2018; Wednesday University of Veterinary and Animal Sciences, Lahore UVAS	9:00 am-10:30 am	GL3: Transcriptome & Next generation sequencing (NGS) technique	Dr. Waseem Haider (COMSATs, Islamabad)
	10.30 – 11.00	TEA	
	11.00 am-12.30 am	L4: Avian influenza: Current strategies in molecular and serological diagnosis	Prof. Dr. Tahir Yaqub/Dr. Subotsina Iryna (Republic of Belarus)
	12.30 pm – 2.00 pm	LUNCH	
	2.00-5.00 pm	P7: ELISA test for serological profiling against avian viruses	Prof. Dr. Tahir Yaqub, Dr. Ali Ahmad and Dr. Rabia Tanvir
Day-4 08/03/2018; Thursday University of Veterinary and Animal Sciences, Lahore UVAS	9.00 am-10: 00 am	L4: Avian Immunology- An introduction	Prof. Dr. Irshad Hussain
	10: 00 am–10: 30am	TEA	
Veterinary Research Institute, Lahore	12: 00 pm – 5.00 pm	P8: Preparation and Standardization of live vaccine against NDV	Veterinary Research Institute, Lahore
Day-5 09/03/2018; Friday University of Veterinary and Animal Sciences, Lahore UVAS	9.00 – 10:00 am	GL05: Application of Flow cytometry in viral diagnosis	Mr. Shahbaz Hussain Manager Sales and Technical Support Vantage Technologies
	10.00 – 10.30	TEA	
	11:00 – 012:30 am	GL6: DNA Microarray in the study of molecular diagnosis	Dr. Bushra Rashid (CEMB, PU, Lahore)
	12.30 pm – 2.30 pm	LUNCH	

Punjab Aids Control Program, IPH, Lahore	2.30 pm – 5.00 pm	P9: Demonstration of Flow cytometry in viral diagnosis	Punjab Aids Control Program, IPH, Lahore
Day-6 10/03/2018; Saturday	Visit to Poultry farm, hatchery and processing plant (Big Bird Pvt. Limited)		
Day-7 11/03/2018; Sunday	Visit to Lahore (Iqbal Park, Wahga Border, and other)		
Day-8 12/03/2018; Monday	9.00 am- 10: 00 am	Post evaluation test	
	10: 00 am–11: 00am	Certificate distribution	

GL- Guest Lecture; L- Lecture; P- Practical