



MINI-SCHOOL OF INFLUENZA – A PREPARATORY SESSION

26 SEPTEMBER 2022

CONCEPT The School is aimed at graduate students and young scientists who are starting, or in the early stages of a career in influenza, public health, surveillance, research or product development. The original concept for the ISIRV School was to provide a comprehensive understanding of influenza viruses, as well as many aspects of control and prevention strategies for influenza. This mini School is a preparatory course that will provide participants with the background and content for maximal understanding and learning at the OPTIONS XI meeting.

PROGRAMME The scientific programme is an intensive 1/2 day before the start of the OPTIONS XI meeting with presentations to provide participants with a comprehensive scientific grounding in many aspects of influenza ranging from theoretical concepts to basic techniques used in research and surveillance. The course is designed for a minimum of 30 students and around 80 students are expected.

8:00 Registration

8:15 Welcome to School and Opening Remarks **Prof. Rebecca Cox**, University of Bergen, Norway

EPIDEMIOLOGY

8:20 Influenza and SARS Cov-2 lesson learned for future preparedness (30 mins)
Prof. Kanta Subbarao, University of Melbourne, Director of the WHO Collaborating Centre for Reference and Research on Influenza Australia

8:50 Influenza (past and present) with focus on human Influenza and diagnosis (30 mins)
Prof. Fred Hayden, University of Virginia School of Medicine, USA

VIROLOGY AND ECOLOGY

9:20 Influenza virus structure, replication, pathogenesis (30 mins)
Prof. Wendy Barclay, Imperial College London, UK

PREVENTION AND CONTROL: ANTIVIRALS

9:50 Mechanisms of action, resistance and effectiveness of antivirals (25 mins)
Prof. Fred Hayden, University of Virginia School of Medicine, USA

10:15 BREAK

PREVENTION AND CONTROL: VACCINES

10:35 Influenza vaccines and immune correlates of protection (20 mins)
Prof. Rebecca Cox, University of Bergen, Norway

10:55 Next generation “universal” vaccines and future perspectives on influenza and SARS CoV-2 (30 mins)
Prof. Florian Krammer, Icahn School of Medicine, USA

11:25 Future Perspectives on respiratory viruses (30 mins)
Prof. Maria Zambon, UK Health Security Agency

11:55 CLOSE OF SCHOOL **Prof. Rebecca Cox**