



## The Virology Association (Thailand)

### 30th Annual Meeting Agenda

# SARS-CoV-2: Two Years of Scientific Challenges

## สองปีแห่งความท้าทายทางวิทยาศาสตร์

29-30 November 2021 (Virtual meeting)

29 November 2021

- 08:45 – 09:00** Opening Remarks **Prof. Emer. Dr. Pilaipan Puthavathana**  
*President of The Virology Association (Thailand)*
- 09:00 – 10:15** **SARS-CoV-2: Basic knowledge**
- 09:00-09:35 Pathogenesis of SARS-CoV-2. **Prof. Emer. Dr. Pilaipan Puthavathana**  
*President of The Virology association (Thailand)*
- 09:40-10:15 SARS-CoV-2 vaccines: Updated research and development. **Dr. Anan Jongkaewwattana**  
*National Center for Genetic Engineering and Biotechnology (BIOTEC)*
- 10:15 – 11:30** **Laboratory Diagnosis of SARS-CoV-2 Infection**
- 10:20-10:55 Update of molecular-based testing method for COVID-19. **Dr. Ekawat Pasomsub**  
*Faculty of Medicine, Ramathibodi Hospital, Mahidol University*
- 11:00-11:35 COVID-19 serological test and its performance. **Dr. Archawin Rojanawiwat**  
*Ministry of Public Health*
- 11:40 – 12:00** **Q&A**
- Discussants:** Dr. Radeekorn Akkarawongsapat *Faculty of Science, Mahidol University*  
Dr. Promsin Masrinoul *Institute of Molecular Bioscience, Mahidol University*



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#### 13:00 – 14:50 Immunology in SARS-CoV-2 Infection

13:00-13:40 Cell mediated immunity in SARS-CoV-2 infection and vaccination.

**Dr. Jenifer A. Juno**

*Department of Microbiology and Immunology, University of Melbourne, Peter Doherty Institute for Infection and Immunity, Melbourne, Victoria, Australia*

13:45-14:15 Humoral and cellular immune responses after COVID-19 vaccine in Thai volunteers.

**Asst. Prof. Dr. Pokrath Hansasuta**

*Faculty of Medicine, Chulalongkorn University*

14:20-14:50 Neutralizing antibodies in SARS-CoV-2 natural infection and vaccination.

**Asst. Prof. Dr. Hatairat Lerdsamran**

*Faculty of Medical Technology, Mahidol University*

#### 14:50 – 15:00 Q&A

**Discussants:** Prof. Emer. Dr. Pilaipan Puthavathana

*President of The Virology association (Thailand)*

Assoc. Prof. Dr. Kobporn Boonnak

*Faculty of Medicine Siriraj Hospital, Mahidol University*



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#### 08:30 – 10:55 Virology of SARS-CoV-2

08:30-09:10 Antibody responses to SARS-CoV-2 spike after infection and vaccination.

**Prof. Dr. Florian Krammer**

*Icahn School of Medicine at Mount Sinai, NY, US*

09:15-09:45 Structure-based vaccine design of SARS-CoV-2 spikes.

**Dr. Ching-Lin Hsieh**

*University of Texas at Austin, TX, US*

09:50-10:20 Natural history of SARS-CoV-2 variants in Thailand.

**Prof. Dr. Wasun Chantratita**

*Faculty of Medicine, Ramathibodi Hospital, Mahidol University*

10:25-10:55 Genetic evolution of SARS-CoV-2.

**Dr. Pakorn Aiewsakun**

*Faculty of Science, Mahidol University*

#### 10:55 – 11:05 Q&A

**Discussants:** Assoc. Prof. Dr. Arunee Thitithyanont  
Dr. Surakameth Mahasirimongkol

*Faculty of Science, Mahidol University*

*Ministry of Public Health*



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#### 13:00 – 14:50 SARS-CoV-2 Vaccines

13:00-13:40 The success and challenges of COVID-19 vaccines.

**Prof. Dr. Kanta Subbarao**

*Department of Microbiology and Immunology, University of Melbourne, Peter Doherty Institute for Infection and Immunity, Melbourne, Victoria, Australia*

13:45-14:15 Introduction of a safe and potentially protective intranasal spray live attenuated influenza viral vector COVID-19 vaccine

**Prof. Dr. Ting Wu**

*School of Public Health Xiamen University, China*

14:20-14:50 Clinical trial on inactivated SARS-CoV-2 vaccine derived from Newcastle disease virus vector in Thais.

**Prof. Dr. Punnee Pitisuttithum**

*Faculty of Tropical Medicine, Mahidol University*

#### 14:50 – 15:00 Q&A

**Discussants:** Prof. Dr. Prasert Auewarakul  
Dr. Anan Jongkaewwattana

*Faculty of Medicine Siriraj Hospital, Mahidol University*

*National Center for Genetic Engineering and Biotechnology (BIOTEC)*

15:00 – 15:10 Closing Remarks

**Prof. Emer. Dr. Pilaipan Puthavathana**

*President of The Virology Association (Thailand)*