

Conference Program for the 42<sup>nd</sup> Pharmacological and Therapeutic Society of Thailand Meeting  
 “Precision Medicine from Research to Clinical Implementations” (Online conference)  
 19<sup>th</sup>-21<sup>st</sup> May 2021  
 Faculty of Medicine, Khon Kaen University

**Wednesday 19<sup>th</sup> May 2021**

8.00-8.30	Registration
8.30-9.30	Welcome ceremony
9.30-10.30	<b>Chiravat Sadavongvivad’s memorial lecture</b> <b>“Integrating Genomics Medicine into Healthcare”</b> <i>Vorasuk Shotelersuk, M.D., Professor of Pediatrics, Faculty of Medicine, CU</i>
10.30-10.45	Coffee Break
10.45-11.45	<b>Plenary Lecture 1</b> <b>“Evaluation of pharmacokinetics and efficacy of immune checkpoint inhibitors ~ lessons from animal tumor models”</b> <i>Assoc. Prof. Hiroto Hatakeyama,</i> <i>Graduate School of Pharmaceutical Sciences, Chiba University, Japan</i> (Under collaboration between The Pharmacological and Therapeutic Society of Thailand and The Japanese Society for the study of Xenobiotics (JSSX))
11.45-12.15	Pharmacological and therapeutic society of Thailand’s award ceremony
12.15-13.00	<b>Lunch Symposium 1 (GenePlus)</b> <b>Precision medicine initiative: From science to clinical outcome</b> <i>Speaker: Kevin Lin, Microarray Product Manager/South East Asia, Thermo Fisher Scientific</i>
<b>Symposium 1:</b> (13.00-14.00)	<b>Pharmacogenomics from research to clinical and healthcare policy implementation</b> <i>Modulator: Dr. Nontaya Nakkham, Department of Pharmacology, Faculty of Medicine, KKU</i>
13.00-13.20	• <b>Pharmacogenomics of severe cutaneous adverse drug reactions and their implementation in healthcare system policy</b> <i>Speaker: Prof. Wichitra Tassaneeyakul, Department of Pharmacology, Faculty of Medicine, KKU</i>
13.20-13.40	• <b>Pharmacogenomics Thailand: Research and clinical implementation</b> <i>Speaker: Assoc. Prof. Chonlaphat Sukasem, Department of Pathology, Faculty of Medicine, Ramathibodi Hospital, Mahidol University</i>
13.40-14.00	• <b>Clinical pharmacogenomics: Application in transplantation</b> <i>Speaker: Asst. Prof. Pajaree Chariyavilaskul, Department of Pharmacology, Faculty of Medicine, Chulalongkorn University</i>
14.00-15.15	Poster presentation (online presentation)
15.15-15.30	Coffee break

## Symposium 2: Precision medicine in cancer therapy

(15.30-16.30) *Modulator: Asst. Prof. Sarinya Kongpetch, Department of Pharmacology, Faculty of Medicine, KKU*

15.30-15.50 • **Precision medicine and innovative treatment for cancer**  
(Dependency of cholangiocarcinoma on cyclin D-dependent kinase activity)  
*Speaker: Assoc. Prof. Siwanon Jirawatnotai, Department of Pharmacology, Faculty of Medicine, Siriraj Hospital, Mahidol University*

15.50-16.10 • **Targetable fusion genes in cancers: the NGS approach for precision diagnosis and treatment**  
*Speaker: Asst. Prof. Sarinya Kongpetch, Department of Pharmacology, Faculty of Medicine, KKU*

16.10-16.30 • **Precision oncology in clinical practice**  
*Speaker: Asst. Prof. Aumkhae Sookprasert, Department of Medicine, Faculty of Medicine, KKU*

16.30 -17.30 **2021 Annual Member Meeting of the Pharmacological and Therapeutic Society of Thailand**  
(First meeting of this year - online meeting)

## Thursday 20<sup>th</sup> May 2021

8.30-9.00 **Registration**

9.00-10.00 **Plenary Lecture 2**  
“Lymphoma: future NGS diagnostic and therapeutic studies in the pre-clinical and clinical stages”  
*Dr. Ong Choon Kiat, National Cancer Centre, Singapore*

10.00-10.30 **Coffee Break**

## Symposium 3: Nutraceuticals and personalized lifestyle medicine

(10.30-12.00) *Modulator: Prof. Jintana Sattayasai, Department of Pharmacology, Faculty of Medicine, KKU*

10.30-11.00 • **Doctor’s concept of patient care and the principles of personalized nutrition and/or personalized nutraceuticals**  
*Speaker: Kongkiat Kespechara, M.D. Bangkok Hospital Pattaya, Chonburi*

11.00-11.30 • **Nutraceuticals targeting gut microbiota for precision medicine**  
*Speaker: Asst. Prof. Siam Popluechai, School of Science, Mae Fah Luang University*

11.30-12.00 • **Rice as an example of a personalized lifestyle medicine for NCDs**  
*Speaker: Prof. Jintana Sattayasai, Department of Pharmacology, Faculty of Medicine, KKU*

12.00-13.30 **Lunch Symposium 2 (Greater Pharma)**

**Mite vaccine: from research to clinical practice**

*Speaker: Professor Boonchua Dhorrarintra, Faculty of Medicine, Siam University*  
*Assoc. Prof. Pongsakorn Tantilipikorn Department of Otorhinolaryngology, Faculty of Medicine Siriraj Hospital, Mahidol University*

#### **Symposium 4: COVID-19 current status and future perspectives**

**(13.30-14.30)** *Modulator: Dr. Nontaya Nakkam, Department of Pharmacology, Faculty of Medicine, KKU*

**13.30-13.50** • **Virology and immunology in SARS-CoV2**

*Speaker: Asst. Prof. Puey Ounjai, Department of Biology, Faculty of Sciences, Mahidol University*

**13.50-14.10** • **Pharmacological treatment of COVID-19**

*Speaker: Dr. Nontaya Nakkam, Department of Pharmacology, Faculty of Medicine, KKU*

**14.10-14.30** • **Current status of COVID-19 vaccine development**

*Speaker: Dr. Somchaiya Surichan, Research and Development Institute, Government Pharmaceutical Organization (GPO)*

**14.30-15.00** **Coffee Break**

#### **Symposium 5: Redox signaling as therapeutic target for oxidant ridden diseases**

**(15.00-16.00)** *Modulator: Assoc. Prof. Auemduan Prawan, Department of Pharmacology, Faculty of Medicine, KKU*

**15.00-15.20** • **Modulation of metabolic cellular sensor as a strategy in tumor suppression**

*Speaker: Assoc. Prof. Auemduan Prawan, Department of Pharmacology, Faculty of Medicine, KKU*

**15.20-15.40** • **The role of antioxidant defense in a precision approach against skin aging**

*Speaker: Assoc. Prof. Uraivan Panich, Department of Pharmacology, Faculty of Medicine, Siriraj Hospital, Mahidol university*

**15.40-16.00** • **Ferroptosis and development of lipid radical inhibitors for diseases with lipid oxidation**

*Speaker: Assoc. Prof. Noppawan Phumala Morales, Department of Pharmacology, Faculty of Science, Mahidol university*

**16.00-16.30** **Best poster awards and closing ceremony**

**16.30-17.30** **2021 Annual Member Meeting of the Pharmacological and Therapeutic Society of Thailand**  
(Second meeting of this year - online meeting)

Friday 21<sup>st</sup> May 2021

#### **Registration**

**Topic Discussion “Teaching and Research collaboration in pharmacology”**

*Speaker: Assoc. Prof. Suda Vannaprasaht and Prof. Wichitra Tassaneeyakul, Department of Pharmacology, Faculty of Medicine, KKU*

*(Please note that this topic is subject to change. The organizing committee will notify of any changes.)*