SCIENTIFIC PROGRAM

Time	
November 17, 2021	
09:00 – 09:15	Opening Session
09:15 – 09:45	**Invited Lecture 1 – Dr. Erik Procko** Topic : Engineered decoy receptors as potent neutralizers of SARS-CoV-2 variants and therapeutic candidates for the treatment of COVID
09:45 – 10:15	**Invited Lecture 2 – Dr. Kittikhun Wangkanont** Topic : Inhibitor discovery and a novel inhibitor binding assay for SARS-CoV-2 main protease
10:15 – 10:45	**Invited Lecture 3 – Dr. Bunyarit Meksiriporn** Topic : An engineered survival selection strategy for synthetic binding proteins against difficult-to-drug targets
10:45 – 11:00	Break
11:00 – 11:30	**Invited Lecture 4 – Dr. Sakonwan Kuhaudomlarp** Topic : Development of inhibitors targeting pathogenic sugar binding proteins
11:30 – 12:00	**Bruker Academic Talk – Dr. Sri Ramarathinam** Topic : Immunopeptidomic analysis of SARS-CoV2 infected lung epithelial cells reveals new targets for antiviral immunity by Dr. Sri Ramarathinam
12:00 – 13:00	Lunch Break
13:00 – 14:00	PST Annual Meeting / Poster Session
14:00 – 15:00	Poster Session (continued)
15:00 – 15:30	**Invited Lecture 5 – Dr. Patompon Wongtrakoongate** Topic : Science and translation toward prevention and treatment of COVID-19
15:30 – 16:00	**Invited Lecture 6 – Dr. Somchai Chutipongtanate** Topic : Breast Milk, BigMAC and Crab Cracker: My Research on

Therapeutic Peptides

Time

November 18, 2021

09:00 – 09:30

Invited Lecture 7 – Dr. Waranyoo Phoolcharoen
Topic : Towards clinical trial phase I of plant-based COVID-19 vaccine in Thailand

09:30 – 10:00

Invited Lecture 8 – Dr. Vimvara Vacharathit
Topic : Antibody and cytokine responses in COVID-19 patients and vaccines

10:00 – 10:30

Invited Lecture 9 – Dr. Waradon Sungnak
Topic : Cellular immune response to COVID-19 deciphered by single-cell multi-omics

10:30 – 10:50

Break

10:50 – 11:10

Oral Presentation 1 – Ms. Kankamol Kerdkumthong
Topic : Proteomic analysis of 5-Fluorouracil resistant cholangiocarcinoma cell line

11:10 – 11:30

Oral Presentation 2 – Ms. Wichuda Phothichaisri
Topic : Host-derived cell-wall-binding domain of phage endolysin CD16/50L anchors to the surface polysaccharide of *Clostridioides difficile* to preserve neighboring host cells and ensure progeny expansion

11:30 – 13:00

Lunch Break

13:00 – 13:30

Waters Academic Talk – Dr. Dhaval Patel
Topic : How LC-MS can support our fight against Covid-19

13:30 – 15:00

Poster Session (continued)

15:00 - 15:15

Break

15:15 – 16:00

Closing Session