



NP-Natural Products, Biological Chemistry and Chemical Biology

Friday, 26 January 2024, Room: Amber 1

Chair: Wanchai Pluempanupat, Kasetsart University

Co-Chair: Pakorn Wattana-Amorn, Kasetsart University

Time	Code	Title	Presenter
13.00 – 13.30	NP-I-01	From darkness to light: investigating the chemical basis of Pholasin's bioluminescent mechanism	Masaki Kuse
13.30 – 14.00	NP-I-02	Biosynthesis of antitumor alkaloid streptonigrin	Shuangjun Lin
14.00 – 14.30	NP-I-03	Deuterated drugs, new challenging molecules as drug candidates: Deuteration of natural products	Prasat Kittakoop
14.30 – 14.45	NP-O-01	NMR-based stability evaluation of (<i>E</i>)-1-(3,4-dimethoxyphenyl)butadiene (DMPBD) from <i>Zingiber cassumunar</i> Roxb. Rhizome	Boonwiset Seaho
15.00 – 15.15	Coffee Break		
15.15 – 16.00	PL-02 at Bhiraj Halls II and III		
<p>Chair: Prasat Kittakoop, Chulabhorn Graduate Institute Co-Chair: Pakorn Wattana-Amorn, Kasetsart University</p>			
16.00 – 16.30	NP-I-04	Optimizing natural products as promising antiviral agents through computation-aided drug design	Kowit Hengphasatporn
16.30 – 16.45	NP-O-02	Molecular docking simulation tool CB-Dock2 confirmed high binding affinity between curcuminoids and IκBα/p50/p65 protein complex	Sompot Jantarawong
16.45 – 17.00	NP-O-03	<i>in silico</i> and <i>in vitro</i> studies on nucleoside-based inhibitors for pan-antiviral drug repurposing	Pitchayathida Mee-udorn
17.15 – 18.15	Poster Session I at Bhiraj Hall 1		
18.15 – 21.00	Conference Banquet at Bhiraj Halls II and III		

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Saturday, 27 January 2024, Room: Amber 1

Chair: Masaki Kuse, Kobe University

Co-Chair: Pakorn Wattana-Amorn, Kasetsart University

Time	Code	Title	Presenter
09.45 – 10.15	NP-I-05	Southern Philippines as a rich source of natural products	Mylene Uy
10.15 – 10.30	NP-O-04	Chemical constituents and their biological activities from the rhizomes and leaves of <i>Curculigo orchioides</i>	Phornnapa Saentao
10.30 – 10.45	NP-O-05	Immobilized chitinase as an effective biocatalytic platform for producing bioactive chitobiose from biomass-derived chitin	Ailada Charoenpol
10.45 – 11.00	Coffee Break		
11.00 – 12.00	Poster Session II at Bhiraj Hall I		
12.00 – 13.00	Lunch at EH100		