



Young Scientist Program

To Celebrate the 20th Anniversary of Department of Biochemistry

Faculty of Science, Burapha University



July 9th, 2017

- 15.00-16.00 Registration & Welcome reception
Venue: Room CL202, Central Laboratory Bldg.
- 16.00-16.15 Welcome speech
Venue: Room CL202, Central Laboratory Bldg.
Assist. Prof. Ekaruth Srisook
Chairperson of the Young Scientist Program
Dean of Faculty of Science, Burapha University
- 16.15-16.30 Welcome speech and Opening remark to celebrate the 20th Anniversary of Department of Biochemistry, Faculty of Science, Burapha University
Venue: Room CL202, Central Laboratory Bldg.
Dr. Chatchawin Petchlert
Head of Department of Biochemistry, Faculty of Science, Burapha University
- 16.30-17.30 Invited lecture to celebrate the 20th Anniversary of Department of Biochemistry, Faculty of Science, Burapha University
Venue: Room CL202, Central Laboratory Bldg.
Dr. Somchart Maenpuen
Department of Biochemistry, Faculty of Science, Burapha University
"The Enzyme-Catalyzed C-C Bond Cleavage Reactions"
- 17.30-20.00 Dinner
Venue: Room CL604, 6th floor, Central Laboratory Bldg.

July 10th, 2017

- 07.00-07.50 Breakfast
Venue: Room 604, 6th floor, Central Laboratory Bldg.
- 07.50-08.00 Conference Introduction Speech for Young Scientist Program
Venue: Room 604, 6th floor, Central Laboratory Bldg.
Dr. Vichaya Gunbua
Deputy Chairperson of the Young Scientist Program
Deputy Dean for Research, Faculty of Science, Burapha University

- 08.00-08.10 Welcome speech for Young Scientist Program
Venue: CL202, Central Laboratory Bldg.
Prof. James R. Ketudat-Cairns
Institute of Science, Suranaree University of Technology and
Executive Committee Member of the Protein Society of Thailand
- 08.10-08.40 Special talk from Betagro Science Center Co., Ltd.
Venue: CL202, Central Laboratory Bldg.
Dr. Mongkol Vesaratchavest
Senior Manager R&D Center, Betagro Group
“Protein Research in Food and Agricultural Industry”
- 08.40-09.40 Invited lecture
Venue: CL202, Central Laboratory Bldg.
Prof. Richard Simpson
Department of Biochemistry and Genetics, La Trobe Institute for Molecular
Science (LIMS), La Trobe University, Melbourne, Victoria, Australia
**“Proteogenomics profiling of secreted colon cancer extracellular vesicle
subtypes: functional insights”**
- 09.40-10.40 YSP Inspiration Talk
Venue: CL202, Central Laboratory Bldg.
Prof. Pimchai Chaiyen
School of Biomolecular Science and Engineering, Vidyasirimedhi Institute of
Science and Technology
“Life as a Scientist, Technology Inventor and Entrepreneur”
- 10.40-10.50 Group Photo
- 10.50-11.00 Coffee break
- 11.00-12.20 Young Scientist Presentation
(8 participants, 5 min oral presentation each, 5 min Q&A)
Venue: CL202, Central Laboratory Bldg.
- 12.20-13.20 Lunch
Venue: Room 604, 6th floor, Central Laboratory Bldg.
- 13.20-15.20 Invited Lecture and Tutorial
Prof. Gavin Reid
Venue: CL202, Central Laboratory Bldg.
School of Chemistry, Department of Biochemistry and Molecular Biology, and
Bio21 Molecular Science and Biotechnology, The University of Melbourne,
Victoria, Australia
**“Understanding the Basic Principles of Mass Spectrometry for Advanced
Biomolecular Analysis”**
- 15.20-15.30 Coffee break
- 15.30-18.30 Young Scientist Presentation
(15 participants, 5 min oral presentation each, 5 min Q&A)
Venue: CL202, Central Laboratory Bldg.
- 18.30-19.00 Traveling from the Central Laboratory Bldg. to Pakarang Restaurant

19.00-21.00 Dinners
Venue: Pakarang Restaurant, Bang Saen, Chon Buri

July 11th, 2017 (Excursion)

07.00-07.30 Breakfast & Luggage loading on the bus
Venue: 1st floor, Central Laboratory Bldg.

07.30-08.30 Traveling from the Central Laboratory Bldg. to Khao Kheow Open Zoo

08.30-09.00 Welcome speech
and video introduction to Khao Kheow Open Zoo (KKOZ)
Mr. Attapon Srihayrun
(Assistant Director of Khao Kheow Open Zoo)
Lecture "Zoo's Roles for Saving Endangered Species from Extinction"
Dr. Ampika Thongphakdee
(Bureau of Conservation and Research, the Zoological Park Organization
(ZPO), Thailand)
Venue: Conference room at KKOZ

09.00-12.15 Excursion

12.15-13.00 Lunch at Khao Kheow Open Zoo

13.00-14.00 Traveling from Khao Kheow Open Zoo to the Tide Resort Hotel



Excursion at Khao Kheow Open Zoo (Chonburi)

08.30–09.00	Welcome speech and video introduction to Khao Kheow Open Zoo (KKOZ) Mr. Attapon Srihayrun (Assistant Director of Khao Kheow Open Zoo) Lecture “Zoo’s Roles for Saving Endangered Species from Extinction” Dr. Ampika Thongphakdee (Bureau of Conservation and Research, the Zoological Park Organization (ZPO), Thailand) Venue: Conference room at KKOZ
09.00–09.10	Get ready for tour around the zoo (by Auto Tram)
09.10–10.00	Eld’s deer park and African Savanna
10.00-10.30	Elephant show (Elephant Swimming)
10.30-11.00	Wildlife Wonderland Area
11.00-11.40	Journey to the Jungle/CATS complex
11.40-12.15	Visit Research Units at KKOZ
12.15–12.30	Lunch

(<http://kkopenzoo.com/>)



Schedule for Young Scientist Presentation

July 10th, 2017

Time	Name	Title
Session I		
11.00-11.10	Khajeelak Chiablaem	Pomegranate extract inhibits metastatic potential in human lung carcinoma cells through PI3K/AKT Inhibition
11.10-11.20	Phatcharida Jantaree	Dimeric form of vanillin suppresses metastatic potential of liver cancer cells through inhibition of FAK/Akt signaling
11.20-11.30	Pipop Saejia	Understanding the progression of thyroid carcinomas promoted by perfluorinated compounds
11.30-11.40	Ronok Zahan	S-benzyl- β -N-(2, 4-dihydroxyphenyl)Methylene dithiocarbazato acetonitrile nickel(II) [NiLX] as a new potent lead in cancer therapy
11.40-11.50	Naiyachon Thanitsorn	Cloning, expression, and characterization of pH-responsive repetitive polypeptide biomaterials
11.50-12.00	Narita Thungsatianpan	Delivery of shRNA by cell penetrating peptides for protection of shrimp from white spot syndrome virus
12.00-12.10	Pongsakorn Thawornpan	Isolation of histidine-containing peptides by strong cation exchange chromatography coupled with diethylpyrocarbonate modification reaction
12.10-12.20	Atika Hanoum Rahasta	Activator role of bioactive molecules from CSN1S2 for glycolysis metabolism
Session II		
15.30-15.40	Rung-Yi Lai	Chemically Induced Dimerization of Engineered TALE
15.40-15.50	Akkarawit Prawisut	Expression, purification, and characterization of rice (<i>Oryza sativa</i>) β -D-glucan exoglucanase
15.50-16.00	Juthamas Jaroensuk	Loss of a transfer RNA (C/U/A-2'-O-)-methyltransferase alters cellular response to H ₂ O ₂ in <i>Pseudomonas aeruginosa</i>
16.00-16.10	Linh Thuy Tran	Evidence that rice Os5BGlu19 is a ferulic acid β -transglucosidase
16.10-16.20	Manutchanok Kongdin	Rice Os4BGlu12 and Os4BGlu13 function as ABA-GE β -glucosidases
16.20-16.30	Panu Pimviriyakul	Mechanistic studies of flavin-dependent monooxygenase and reductase for toxic aromatic compounds detoxification
16.30-16.40	Ratana Chareonwattanasatien	Structural analysis of Calredoxin from <i>Chlamydomonas reinhardtii</i>
16.40-16.50	Sunaree Choknud	Transglucosylation of antibiotics by Os9BGlu31 β -transglucosidase
16.50-17.00	Peeranat Jatoorathaweecho	Prediction of active human glucosylceramidase GBA2 isoforms by homology modeling
17.00-17.10	Juthamard Chantaraamporn	Quantitative proteomic analysis reveals differential expression levels of WGA-bound glycoproteins from serum of colorectal cancer patients
17.10-17.20	Kittirat Saharat	Discovery of a potential novel therapeutic target against metastatic thyroid cancer using proteomics
17.20-17.30	Natthaphorn Paramee	Comparative proteomics on the effects of non-germinated and germinated colored rice extracts on colon cancer cells
17.30-17.40	Tanin-ek Sriwitool	Proteomic investigation of serum glycoproteins from colorectal cancer patient enriched by wheat germ agglutinin
17.40-17.50	Waraporn Saentaweek	Glioma pathogenesis-related protein 1 might associated with metastasis in cholangiocarcinoma cells
17.50-18.00	Phetploy Rungkamoltip	MALDI-TOF peptide signature in patient serum with cervical cancer