

# Frontier in Biotechnology

## - from Metabolites to Regenerative Cells

Jamjuree Ballroom A, M Floor, Pathumwan Princess Hotel, Bangkok  
9<sup>th</sup> October 2015



## INVITATION

Osaka University, which was founded in 1931 as one of the top imperial universities in the land of the rising sun, is one of the leading universities in education and research not only in Japan but also across the world. The university is spearheading several programs and initiatives and diligently following its slogan, "Live Locally, Grow Globally".

"Excellence in Science" is not only a motto but is also a way of life in the Shimadzu Family. In accordance with our values and in continuation with our efforts to serve you to the best of our abilities, we along with Osaka University are organising an exclusive workshop on 'Frontier in Biotechnology - from Metabolites to Regenerative Cells'.

This workshop will provide you in-depth knowledge about metabolomics, its applications in phenotype analysis, comparative metabolomics profiling, human cell manufacturing, proteome analysis and biosynthesis of metabolites among several other state-of-the-art scientific methodologies.

The workshop will be conducted by some of the most eminent experts in the domain of cutting-edge biotechnology from various reputed universities including, Osaka University from Japan and Chulalongkorn University, Kasetsart University, King Mongkut's University of Technology Thonburi (KMUTT), and Mahidol University in Thailand to global organisations like National Science and Technology Development Agency, Thailand; National Center for Genetic Engineering and Biotechnology (BIOTEC), Thailand; Bara Scientific, Thailand, and Shimadzu Corporation, Japan.

We eagerly look forward to your active participation.

# AGENDA

Osaka University – Shimadzu Workshop Frontier in Biotechnology - from Metabolites to Regenerative Cells		
Time	Programme	Speaker
09:00 - 09:05	Welcome Address	Mr Kiminobu Imura, MD, Shimadzu (Asia Pacific) Pte Ltd, Singapore
09:05 - 09:20	Opening Address	Dr Morakot Tanticharoen, Senior Advisor to the President, National Science and Technology Development Agency, Thailand & Senior Advisor to the President, King Mongkut's University of Technology Thonburi, Thailand
<b>Cutting-edge biotechnology from Osaka University and collaboration with Shimadzu</b>		
09:20 - 09:50	Keynote Address – Application of metabolomics for high resolution phenotype analysis	Dr Eiichiro Fukusaki, Professor, Osaka University, Japan
09:50 - 10:10	Contributing through Science and Technology – Collaboration between Osaka University and Shimadzu	Dr Junko Iida, Senior Manager, Shimadzu Corporation, Japan
10:10 - 10:40	Mass Spectrometry – A powerful tool for metabolomics	Ms Sandhya Nargund, Manager, MS & Chromato, Shimadzu (Asia Pacific) Pte Ltd, Singapore
10:40 - 11:00	<b>Break</b>	
<b>Cutting-edge biotechnology from Thailand - Metabolomics and metabolomics profiling with food</b>		
11:00 - 11:20	Metabolomics and its applications	Dr Suganya Yongkiettrakul, Researcher, National Center for Genetic Engineering and Biotechnology (BIOTEC), Thailand
11:20 - 11:40	Comparative metabolomics profiling of functional yoghurt using GC/MS and <sup>1</sup> H-NMR technique	Dr Sarn Settachaimongkon, Lecturer, Chulalongkorn University, Thailand
11:40 - 13:00	<b>Lunch Break</b>	
<b>Cutting-edge biotechnology and pioneers of biotechnology - Osaka University</b>		
13:00 - 13:30	Biochemical engineers' contribution towards human cell manufacturing	Dr Masahiro Kino-oka, Professor, Osaka University, Japan
13:30 - 13:50	Introduction of Osaka University and ICBiotech	Dr Takuya Nihira, Professor, Osaka University, Japan
13:50 - 14:10	Introduction of Department of Biotechnology in Osaka University	Dr Sastia Prama Putri, Specially Appointed Assistant Professor, Osaka University, Japan
14:10 - 14:40	<b>Break</b>	
<b>Cutting-edge biotechnology from Thailand - Pharmaceutical, healthcare and agricultural applications</b>		
14:40 - 15:00	A genomics approach to discover secondary metabolites biosynthesis potentials in cyanobacteria	Dr Supapon Cheevadhanarak, Associate Professor, King Mongkut's University of Technology Thonburi (KMUTT)
15:00 - 15:20	Production of indole-3-acetic acid by rice phylloplane yeast <i>Rhodospiridium paludigenum</i> DMKU-RP301	Dr Nantana Srisuk, Assistant Professor, Kasetsart University, Thailand
15:20 - 15:40	Proteomic analysis of the mechanism of action of a traditional Thai medicine	Dr Suthep Wiyakrutta, Assistant Professor, Mahidol University, Thailand
15:40 - 16:00	Thanksgiving	
16:00 - 16:20	Closing Address	Dr Watanalai Panbangred, Mahidol University, Thailand & Mr Phoosak Hirunyatrakul, Managing Director, Bara Scientific Co., Ltd., Thailand

## RSVP:

Please send your: Name, Position, Organisation, E-mail and Phone number to:  
Bara Scientific Co Ltd, Thailand | sales@barascientific.com | Tel: +66 2 632 4300 | Fax: +66 2 637 5496

## Organised by:

