

## REGISTRATION FORM

Title: Prof. / Assoc. Prof./ Dr./Mr./ Ms./ Mrs

Name: \_\_\_\_\_

Organisation/Institution: \_\_\_\_\_

Address: \_\_\_\_\_

Postcode: \_\_\_\_\_ State: \_\_\_\_\_ Country: \_\_\_\_\_

Tel No. : \_\_\_\_\_ Fax No.: \_\_\_\_\_ Email: \_\_\_\_\_

## WORKSHOP FEES

Date	Single Registraion	✓	Group Registration *	✓
Before/On 15/08/2017	RM 600	<input type="checkbox"/>	RM 500	<input type="checkbox"/>
After 15/08/2017	RM 650	<input type="checkbox"/>		<input type="checkbox"/>

\* Minimum of 4 participants. Please tick (✓) where appropriate.

## METHOD OF PAYMENT

a) The registration fee excludes any service charge incurred by the Bank for fund transfer

b) Direct bank transfers should be made to:

Bank Name: **CIMB Bank Berhad**

Account Name: **MSM Symposium** Account Number: **80-0216547-1**

Bank address: **Ground Floor, Block B, Bangunan Pelajar, 43400 UPM Serdang, Selangor, Malaysia.**

c) All bank drafts or cheques (Malaysians only) must be made payable to '**MSM Symposium**', crossed "**A/C Payee only**" and mailed to the xxxxxx Secretariat.

\* I enclose herewith Cheque/Bank draft No: \_\_\_\_\_

d) Please send the completed registration form together with the proof of payment to the Secretariat of MIW2017 at the contact details given below:

### MIW2017 SECRETARIAT

School of Biosciences and Biotechnology, Faculty of Science and Technology,  
Universiti Kebangsaan Malaysia, Selangor.

Tel: 603-8921 5970 / 3813 | Fax: 603-8921 2698

Email : metagenomics2017@gmail.com

Website: <http://www.mymicro.org/>

# METAGENOME INFORMATICS WORKSHOP



## A Pre-Conference Workshop in Conjunction with the International Congress of the Malaysian Society for Microbiology 2017

13 – 14 SEPTEMBER 2017  
MAKMAL KOMPUTER  
KOMPLEKS KEDEKANAN  
FACULTY OF SCIENCE AND TECHNOLOGY  
UNIVERSITI KEBANGSAAN MALAYSIA  
BANGI, SELANGOR

Organised by:

Co-Organised by:



Malaysian  
Society for  
Microbiology



AMERICAN  
SOCIETY FOR  
MICROBIOLOGY



UNIVERSITI  
KEBANGSAAN  
MALAYSIA  
*The National University  
of Malaysia*

Codon Genomics

## ◆ INVITATION

The organising committee for ICMSM2017 takes great pleasure in inviting you to participate in the Metagenome Informatics Workshop. This pre-conference workshop is held in conjunction with the International Congress of The Malaysian Society for Microbiology 2017 (ICMSM2017) organised biennially. The theme for this year's meeting is *"Integrate, Innovate, Translate: Microbiology in a Dynamic World"*. We sincerely hope that you will join us in this pre-conference workshop from the 13-14 September 2017 in UKM as well as the upcoming ICMSM2017 (4-7 December 2017 at Hotel Bangi-Putrajaya). Although microbial biotechnology has been instrumental in improving quality of life worldwide, there remains new frontiers for us to delve into while progressively expanding the existing domains with the ultimate purpose of addressing human needs and well-being. We believe that both events will be a conducive platform to enhance knowledge, networking and collaboration for the advancement of microbial research and innovation.

## ◆ OVERVIEW

The "Metagenome Informatics Workshop" is an entry-level workshop which aims to deliver introductory modules on fundamental understanding and application of bioinformatics in High-throughput Sequencing metagenomic studies. This interactive workshop involves lectures, guided hands-on training/experience and research case study. We will discuss quality checking, assembly, taxonomic classification, binning and annotation of metagenome samples. The workshop modules are carefully designed and structured into easily followed and organised modular format for participants to acquire the key concepts of complex metagenome informatics through an interactive and fun mode. Participants will enjoy running through customised designed materials facilitated by experienced industry-serving metagenome informaticians. Analysis tools and software used in the workshop will be based on widely accepted and freely available open-source bioinformatics tools. New entry researchers venturing into metagenomics and principal investigators are strongly encouraged to attend this workshop. Seats are limited.

## ◆ OBJECTIVES

- To introduce participants to **basic metagenome analyses**
- To deliver **basic level hands-on metagenome informatics** training using widely accepted open-source bioinformatics applications

## ◆ WHO SHOULD ATTEND

This workshop welcomes participants with limited knowledge on metagenome informatics. Researchers with sequenced metagenomes who would like to learn basic metagenome informatic analyses are encouraged to attend.

- Post-graduate students/Post-docs/Principal Investigators
- University Researchers/Research Officers
- Agriculture/Healthcare/Biotechnology Industries
- College/University Lecturers

## ◆ TENTATIVE PROGRAMME

<p style="text-align: center;"><b>Day 1</b> <b>Wednesday</b> <b>13 Sept 2017</b></p>	<p><b>Lectures:</b></p> <ul style="list-style-type: none"> <li>• <b>Lecture 1:</b> High-throughput Sequencing (HTS)</li> <li>• <b>Lecture 2:</b> Metagenomics</li> </ul> <p><b>Hands-on:</b></p> <ul style="list-style-type: none"> <li>• <b>Module 1:</b> Introduction to Linux Operation System</li> <li>• <b>Module 2:</b> Data QC and Pre-processing</li> <li>• <b>Module 3:</b> Reference Alignment</li> </ul> <p><b>* 4 Genomics Clinic slots for participants</b></p>
<p style="text-align: center;"><b>Day 2</b> <b>Thursday</b> <b>14 Sept 2017</b></p>	<p><b>Recap of Day 1</b> <b>Case Study Talk</b> <b>New Application Sharing</b> <b>Demo: CG Barcoding System</b></p> <p><b>Hands-on:</b></p> <ul style="list-style-type: none"> <li>• <b>Module 4:</b> Operational Taxonomic Unit (OTU) Clustering</li> <li>• <b>Module 5:</b> OTU-based Analysis and Visualization</li> </ul> <p><b>* 4 Genomics Clinic slots for participants</b></p>