



# DRUG METABOLISM & PHARMACOKINETICS AND POPULATION PK/PD MODELLING

## ▼ DATE

8 – 10 October 2019  
(Tuesday – Thursday)

## ▼ TIME

8:30am – 5:00pm

## ▼ VENUE

International Medical University,  
Bukit Jalil, Kuala Lumpur, Malaysia

## ▶ KEYNOTE SPEAKERS ◀



**Prof Yuen Kah Hay**  
School of Pharmaceutical Sciences,  
Universiti Sains Malaysia



**A/Prof Surulivelrajan Mallayasamy**  
Department of Pharmacy Practice,  
Manipal College of  
Pharmaceutical Sciences,  
Manipal University



**Prof Ong Chin Eng**  
Associate Dean,  
School of Pharmacy,  
International Medical University



**Dr Murugesh Kandasamy**  
Senior Lecturer,  
School of Pharmacy,  
International Medical University



**Dr Hira Chaudry**  
Acting Head,  
Department of Pharmaceutical  
Technology,  
School of Pharmacy,  
International Medical University

Sub-optimal Drug Metabolism and Pharmacokinetics (DMPK) property is one of the leading causes behind the failure of new chemical entities (NCEs) during early clinical trials. Likelihood of a successful NCE demands a balance of optimised DMPK parameters and minimised drug-drug interaction (DDI) risks. DMPK studies are considered as an important phase within drug discovery and development for the selection of optimal drug candidates.

Optimisation of disease prevention along with treatment strategies by considering various factors leading to inter-individual variability advances precision medicine and dosing. Several clinical tools are available to interpret genotypic and phenotypic characteristics of an individual to design a personalised dosage regimen. Population Pharmacokinetics/Pharmacodynamics (PopPK/PD) modelling is such a tool used in the drug development process and it provides the association between dose, concentration and response before NDA approval and the subsequent launch of the drugs.

Furthermore, it promotes precision dosing in various approaches including covariate centred *priori* dosing and therapeutic drug monitoring (TDM) centered *posteriori* dosing. PopPK/PD modelling applies nonlinear mixed effects modelling (NONMEM), one of the widely used statistical software methodologies to characterise and interpret sources contributing to PK/PD variability.

## OBJECTIVES

- To introduce DMPK and PopPK/PD and their role in drug optimisation and dosing individualisation in drug discovery and development.
- To provide hands-on training on:
  - in vitro* metabolic stability & CYP450 inhibition studies.
  - dosage regimen design in therapeutic drug monitoring.
  - PopPK/PD data analysis using R & NONMEM software programs.



## REGISTRATION FEE

Regular	IMU Alumni / Student (Non-IMU)	Student (IMU)
<b>RM1500</b>	<b>RM1050</b>	<b>RM750</b>

## CONTACT US

### SECRETARIAT

T +603 2731 7331 / 7072 | F +603 8656 8018 | E [icl@imu.edu.my](mailto:icl@imu.edu.my)

## REGISTRATION FORM

SURNAME / LAST NAME:

FIRST NAME:

NATIONALITY:

GENDER: MALE  FEMALE

TITLE: MR  MRS  MS  PROF  DR

OTHER:

ORGANISATION:

PUBLIC  PRIVATE

DEPARTMENT:

POSITION:

TEL NO: ( )

FAX NO: ( )

MOBILE PHONE NO:

ADDRESS:

POSTCODE:

CITY:

STATE:

Please indicate whether this is your office or home address: ORGANISATION  HOME

EMAIL:

ORGANISATION'S WEBSITE (IF ANY):

ARE YOU AN IMU ALUMNI MEMBER? YES  NO

DIETARY NEEDS/PREFERENCE: VEGETARIAN  NON-VEGETARIAN

## REGISTRATION FEE

REGULAR:  RM1500

IMU ALUMNI / STUDENT (NON-IMU):  RM1050

STUDENT (IMU):  RM750

## MODE OF PAYMENT

PLEASE TICK YOUR OPTION:

CASH

CHEQUE\* (for Malaysian banks only)

CREDIT CARD I hereby authorise the processing of my card for the sum of (RM):

Please complete the following sections. These details are required for security purposes.

TYPE OF CARD: VISA  MASTERCARD  ISSUING BANK:

CARDHOLDER'S NAME (as it appears on the card):

CARD NUMBER:

CARD EXPIRY DATE:  /  (MM/YY)

CARD SECURITY CODE (3 digits found on reverse Visa / Mastercard)

BANK DRAFT\*

BANK OF ISSUE:

DATE:

TOTAL AMOUNT (RM):

\* Payable to IMU Education Sdn Bhd

ONLINE\* (www.imu.edu.my/icl through iPay88)

## CANCELLATION POLICY

1. Any cancellation of registration must be made in writing to the Secretariat of Workshop on Drug Metabolism & Pharmacokinetics and Population PK/PD Modelling.
2. There will be full refund of registration fee for cancellation made by 8 August 2019.
3. There will be a 50% refund of registration fee for cancellation made before 8 September 2019.
4. There will be a 30% refund of registration fee for cancellation made before 23 September 2019.
5. There will be no refund of registration fee for cancellations made after 23 September 2019.
6. The Organiser reserves the right to cancel or change the topic of the workshop, if for whatever reasons beyond its control, the workshop cannot be held as scheduled or the topics need to be altered.

## DECLARATION AND AUTHORISATION

1. I confirm that the above information is correct and I will inform IMU when there is any change to this information.
2. I have read, understood and consent to the processing of my personal data as set out in the enclosed Privacy Notice.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

### DISCLAIMER:

The organiser reserves the right to make such alterations to the programmes as circumstances dictate and will not accept responsibility for any errors, omissions or changes made to the speakers' information. The views and opinions expressed by the speakers at this workshop are not necessarily the views and opinions of the organiser.

More information and online registration available at [www.imu.edu.my/icl](http://www.imu.edu.my/icl)