-Drug Design for Infectious Diseases-

A Pre-conference Workshop of the 42nd MSBMB Annual Conference

14 - 15 August 2017 | UCSI University | Kuala Lumpur

The Pre-Conference Workshop of the 42nd Annual Conference of the MSBMB (Pre-Con 2017) is open to academics, researchers and students from local and international Universities and research institutes. Through a series of talks, discussions and hands-on sessions, this event provides a platform for attendees to learn from expert researchers on biochemistry and drug design to develop effective treatments for infectious diseases. For the best experience of all attendees, the pre-conference hands-on sessions have a maximum capacity of 50 persons only.

Invited speakers & trainers

Prof Dr Paul Michels
University of Edinburgh
UK

Prof Dr Wim GJ Hol
University of Washington
USA

Dr Mohammad Asif Khan
Perdana University
Malaysia

Ms Ayesha Fatima
Quest International University
Malaysia

Schedule

Day 1 (14th August 2017 – Monday)	
Time	**Lectures/Activities**
8:30 - 9:00	*Registration*
9:00 - 9:15	*Opening remarks and Orientation*
9:15 - 10.15	Inspiring modes of drug action
10:15 - 10:30	*Coffee break*
10:30 - 11:30	Drug target identification and validation from a metabolic perspective
11:30 - 12:30	Free energy in drug design
12:30 - 13:30	*Lunch*
13:30 - 14:30	Pharmacokinetics and pharmacodynamics
14:30 - 15:30	Concerns in molecular docking in virtual screening for drug discovery
15:30 - 15:45	*Coffee break*
15:45 - 18:30	Hands-on session on molecular dynamics

Day 2 (15th August 2017 – Tuesday)	
Time	**Lectures/Activities**
8.45 - 9.00	*Registration*
9:00 - 10:00	Different methods for ligand binding measurements that are important in the successive steps of screening and optimization of compounds during the drug development process
10:00 - 11:00	Drug resistance mechanisms & strategies to limit drug resistance
11:00 - 11:15	*Coffee break*
11:15 - 12:15	The drug development process: specific problems and solutions for neglected infectious diseases
12:15 - 13:15	*Lunch*
13:15 - 14:15	Structure and fragments in the design of drugs against infectious diseases
14.15 - 15.15	Protein 3D structure modeling (homology modeling, threading, ab-initio modeling)
15:15 - 15:30	*Coffee Break*
15:30 - 17:30	Sequence alignment & homology modeling
17:30 - 17:45	*Closing session*

Registration Fees:

- Student: RM300
- Non-student: RM500
- MSBMB member: RM450
- International: USD200

https://goo.gl/forms/QVWAHLoxvYxnxWc53

Deadlines:

- Registration - 1st July 2017
- Payment - 15th July 2017 (non-refundable for cancellations made after 15th July 2017)

Payment:

Account No: 86-0213894-3
Payee Name: UCSI Education Sdn Bhd
Bank: CIMB Islamic Bank Berhad

Method:

1) Cheque deposit
2) Giro transfer (TT)
3) Cash deposit

- Please email copy of bank slip/proof of payment to us. (Official receipt will be issued on the day of the event)

Contact us:

Drug Design for Infectious Disease Workshop 2017
msbmb.preconference2017@gmail.com
+603-91018880 ext 3297

UCSI University
FACULTY OF APPLIED SCIENCES