

# Hands-On Workshop: Cell Culture and *In Vitro* Human Disease Models

**DATE:** Wed, 27 November – Thurs, 28 November 2019

**VENUE:** School of Pharmacy, Monash University Malaysia

**TIME:** 8.30 am – 5.00 pm

[MPS-CPD: 10 points]

This workshop aims to provide hands-on experience for researchers and graduate students on basic cell culture principles, techniques and the application of various *in vitro* human disease models.

Participants will learn regarding:

- Principles, concepts and applications of cell culture
- Cell culture and aseptic techniques
- *In vitro* human disease models
- Cytotoxicity assay (MTT assay) and data analysis (Hands-on session)
- Live cell staining and imaging (Hands-on session)

**Registration Fee:**

**RM 690.00**

Limited to 25 seats  
only

[10% discount for Malaysian Pharmaceutical Society (MPS) members and 20% discount for Monash Alumni]

Who should attend?

Lecturers, Postgraduate Students, Researchers, Science Officers and Medical Laboratory Technologists

DAY 1 (Wed 27 Nov)	Program*	DAY 2 (Thurs 28 Nov)	Program*
8.30 am – 9.00 am	Registration & Breakfast	8.30 am – 9.00 am	Breakfast
9.00 am – 10.00 am	<b>Lecture 1:</b> Introduction to Cell Culture and Basic Techniques <b>Speaker: Dr Goh Bey Hing</b>	9.00 am – 10.00 am	<b>Lecture 4:</b> Introduction to Microscopy for the Study of Cell Biology <b>Speaker: Dr Lee Wai Leng</b>
10.00 am – 11.00 am	<b>Lecture 2:</b> Cell Culture Laboratory Setup, Contamination and Microbial Testing <b>Speaker: Dr Lee Learn Han</b>	10.00 am – 12.00 pm	<b>Practical session 3:</b> Live Cell Staining and Imaging
11.00 am – 11.30 am	Break	12.00 pm – 1.00 pm	Lunch
11.30 am – 12.30 pm	<b>Lecture 3:</b> Cell Death, Cytotoxicity and Proliferation Assay <b>Speaker: Dr Alan Lee</b>	1.00 pm – 3.30 pm	<b>Interactive Lecture:</b> <b>Interactive Speakers: Dr Goh Bey Hing, Dr Lee Learn Han &amp; Dr Ong Lin Kooi</b> <b><i>In vitro</i> Human Disease Models:</b> <ul style="list-style-type: none"> <li>• Cancer (Angiogenesis and Metastasis)</li> <li>• Diabetes</li> <li>• Skin and Cosmetic Testing</li> <li>• Neurodegenerative Disease (Blood Brain Barrier)</li> </ul>
12.30 pm – 1.30 pm	Lunch		3.30 pm – 4.30 pm
1.30 pm – 3.30 pm	<b>Practical session 1:</b> Cell Culture Maintenance, Cryopreservation, Cell Counting and Seeding	4.30 pm – 5.00 pm	Presentation of Certificate and Closing Remarks
3.30 pm – 4.30 pm	<b>Practical session 2:</b> Cytotoxicity Assay (MTT Assay)	5.00 pm – 5.30 pm	<b>Afternoon Tea and Discussion</b>
4.30 pm – 5.00 pm	<b>Afternoon Tea and Discussion</b>		

\*subject to changes

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SUPPORT SPONSORS:



To register, please click [here](#). Registration closing date and payment confirmation by 1 November 2019