

# Cell Culture:

## 3D Spheroid, Cell Isolation & Transfection

Seminars & Hands-On Course – *Learning by doing!*

**15 – 16 August 2018 | USM Health Campus, Kelantan**

### Course Description

This 2-days workshop is designed to provide participants a combination of lectures and hands-on laboratory experiences on advanced cell culture technique and analysis. The workshop will cover spheroid generation using 'hanging-drop', cell isolation/separation using density gradient centrifugation and cell transfection. Through the integrated learning methods, utilizing hands-on training to reinforce lecture materials, participants will be able to apply information learned in the workshop into applications in their own research.

### Speakers and Trainers

Dr. Noor Fatmawati Mokhtar  
(INFORMMM, Cancer Cluster)

Application Team  
(Biomed Global, Malaysia)

Dateline: 9 August 2018

**REVISED FEES WITH 0% GST**

### Fees

Student RM 425.00  
Staff RM 472.00

### Seat Limit

15 participants

### Contacts

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This hands-on course is organised by the Institute for Research in Molecular Medicine (INFORMMM), Universiti Sains Malaysia with our proud partners and sponsors

### Course Program : Cell Culture - 3D Spheroid, Cell Isolation & Transfection

Day 1	15 August 2018
0800 - 0830	Registration for Participants
0830 - 0930	Seminar 1 : Cell Culture in Health and Biomedical Research ( Dr. Noor Fatmawati Mokhtar, INFORMMM )
0930 - 1030	Seminar 2 : Contaminations in Cell Culture ( TBD )
1030 - 11.00	Tea Break
1100 - 12.00	Seminar 3 : Primary vs Cell Lines - Lymphocytes Proliferation ( TBD )
1200 - 0100	Hands - On 1 : Experimental Set-Up for 3D-Spheroid Culture Development ' Hanging-Drop '
0100 - 0230	Lunch Break
0230 - 0330	Hands - On 2 : Experimental Set-Up for Cell Isolation / Separation
0330 - 0430	Hands - On 3 : Cell Culture Transfection
1430 - 0500	Tea Break & Refections ( End of Day 1 )
Day 2	16 August 2018
0830 - 0930	Seminar 4 : The Importance of Media for Stem Cell Culture ( TBD )
0930 - 1030	Seminar 5 : Cultrex® 3D Spheroid Colorimetric Proliferation/Viability Assay ( Biomed Global, Malaysia )
1030 - 1100	Tea Break
1100 - 1200	Hands - On 4 : 3D-Spheroid Culture Development Using Incucyte® Analysis System ( Biomed Global, Malaysia )
1200 - 0100	Hands - On 5 : Assessment of Cell Isolation
0100 - 0230	Lunch Break
0230 - 0430	Hands - On 6 : Assessment of Cell Transfection
0430 - 0500	Tea Break & Reflections ( End of Day 2 )

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