



USM UNIVERSITI
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INFORMMM HANDS-ON COURSE

METHODS IN GENE ANALYSIS: FROM MOLECULAR CLONING TO BIOINFORMATICS (BIOCOMPUTING)

24 – 25 November 2019 | INFORMMM Health Campus, Kelantan

SPEAKERS

Dr. Khairul Mohd Fadzli Mustaffa

Institute For Research In Molecular Medicine (INFORMMM), USM



MyCPD Points
for USM staff

Dr. Ezzeddin Kamil Mohamed Hashim

School of Health Sciences, USM



REGISTER BEFORE
21 November 2019

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Registration

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FEES

RM 280 ONLY

**SEATS ARE
LIMITED!**

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In Collaboration with School of Health Sciences, USM and industrial partner :



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TENTATIVE PROGRAMME

METHODS IN GENE ANALYSIS : FROM MOLECULAR CLONING TO BIOINFORMATICS (BIOCOMPUTING)

DAY 1	24 NOVEMBER 2019
08.00 am – 09.00 am	Registration
09.00 am – 09.30 am	An Introduction to Gene Cloning Speaker: Dr. Khairul Mohd Fadzli Mustaffa (INFORMMM, USM) Venue: Tutorial Room, INFORMMM
09.30 am – 10.00 am	Company Talk: Nanogene Solution Sdn Bhd Venue: Tutorial Room, INFORMMM
10.00 am – 10.30 am	Tea break
10.30 am – 01.00 pm	Wet Lab Hands-on 1: Molecular Cloning into pEASY vector Venue: Lab Suite 1 and 2, INFORMMM
01.00 pm – 02.00 pm	Lunch break
2.00 pm – 03.00 pm	Wet Lab Hands-on 2: Preparation of competent E. coli cells Venue: Lab Suite 1 and 2, INFORMMM
03.00 pm – 04.30 pm	Wet Lab Hands-on 3: DNA transformation into competent E. coli cells Venue: Lab Suite 1 and 2, INFORMMM
04.30 pm – 05.00 pm	Open Forum
05.00 pm	End of Day 1
DAY 2	25 NOVEMBER 2019
0900 am	Wet Lab Hands-on 4: Screening of positive clone
1000 am	Tea break
1030 am	Bioinformatics: A Biologist's Guide to Biocomputing Speaker: Dr. Ezzeddin Kamil Mohamed Hashim (PPSK, USM) Venue: CAI Lab PPSK
0100 pm	Lunch break
0200 pm	Dry Lab Hands-on 1: Gene Sequence Analysis: Database Venue: CAI Lab PPSK
0230 pm	Dry Lab Hands-on 2: Gene Sequence Analysis: Phylogenetic tree Venue: CAI Lab PPSK
0330 pm	Dry Lab Hands-on 3: Gene Sequence Analysis: Single Nucleotide Polymorphisms Venue: CAI Lab PPSK
0430 pm	Open Forum
0500 pm	Closing with certificate presentation