

## **PYMI 695 Basic Techniques in Animal Cell Culture 2(1-3-3)**

Time: June 14 – July 3, 2017 10.00 a.m. – 3.00 p.m.

Place: Lecture Room.....

Laboratory Room 601 Rajaratana Building, 6<sup>th</sup> Floor

Course Director: Assist. Prof. Krit Thirapanmethee

Department of Microbiology, Faculty of Pharmacy, Mahidol University

No.	Date	Topic	Lecturer
1	June 13,2017	Cell culture laboratory and equipment	Krit
2	June 14,2017	Aseptic techniques and good cell culture practice	Piyatip
3	June 15,2017	Cell culture media and growth requirement for cell culture	Piyatip
4	June 16,2017	Types of animal cells and their characteristics in culture	Krit
5	June 19,2017	Propagation and maintenance of cells in culture	Krit
6	June 20,2017	Cryopreservation and resuscitation of cells	Piyatip
7	June 21,2017	Quantification of cells	Methee
8	June 22,2017	Determination of cell viability	Krit
9	June 23,2017	Animal cell culture in virology	Mullika
10	June 26,2017	PBMC isolation for tests and assays	Methee
11	June 27,2017	Stem cell types, characteristics and properties	Khanit
12	June 28,2017	Application of immunofluorescence techniques in cell culture	Khanit
13	June 29,2017	Transient and permanent transfection	Khanit
14	June 30,2017	Pharmacological application of cell culture	Krisada
15	July 3,2017	Examination	

### **Lecturers**

#### **Department of Microbiology**

Assist. Prof. Krit Thirapanmethee

Assoc. Prof. Mullika Chomnawang

Dr. Methee Sripraphan

Dr. Piyatip Khuntayaporn

#### **Department of Pharmacology**

Dr. Krisada Sakchaisri

#### **Department of Biochemistry**

Assist. Prof. Khanit Sa-ngiamsuntorn