



Immuno-labeling & Bio-imaging Workshop

Communities of Research



A joint initiative by: Faculty of Pharmacy, UiTM and Brain & Neuroscience (BNS) CoRe

Dates : 14th – 15th April 2015
Time : 0900 – 1700
Venue : Level 7, FF3, CDDR Lab, Faculty of Pharmacy, UiTM, 42300 Bandar Puncak Alam

There is now high demand on the use of immuno-labeling and bio-imaging in research pertaining to pharmaceutical and life sciences. These two techniques are essential for identification of protein distribution and expression in cells or tissues of either animal or human origin.

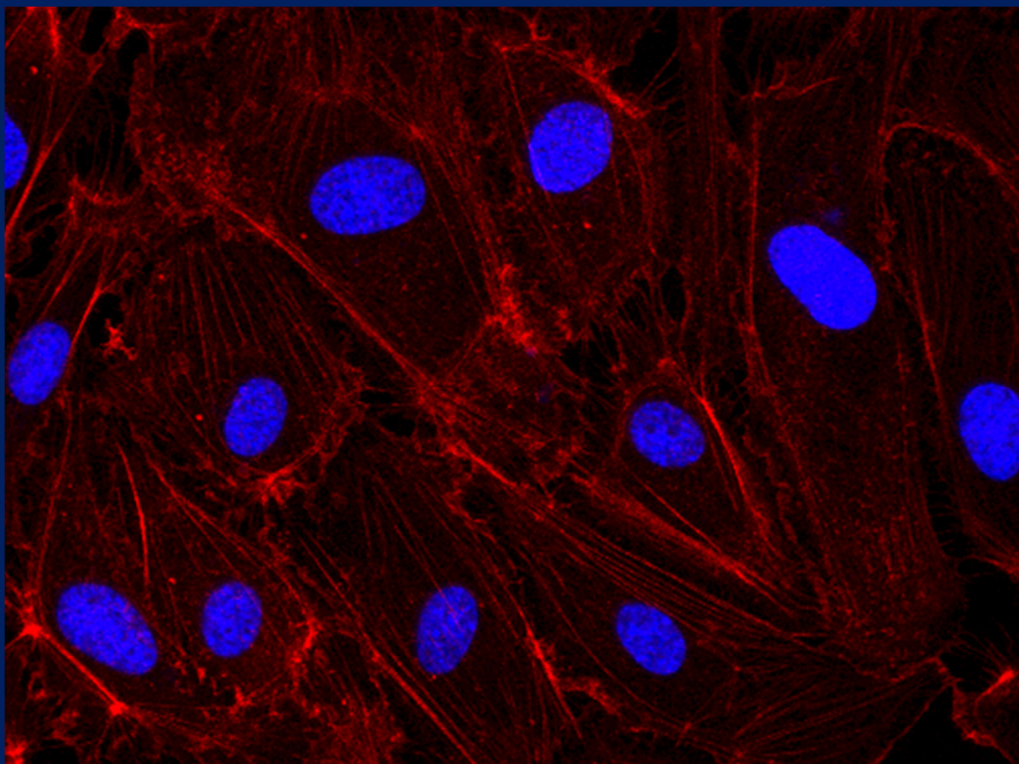
As such, the Immuno-labeling & Bio-imaging Workshop is conducted with the following purposes:

1. To facilitate understanding of the underlying principles of immunohistochemistry (IHC) and immunocytochemistry (ICC).
2. To provide HANDS-ON experience on:
 - Tissue and cell processing for morphological observation
 - Immuno-labeling and troubleshooting

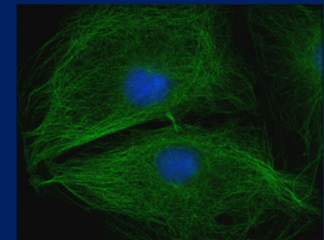
Target participants:

Academicians, Researchers, Research officers, Post-doctoral fellows & Post-graduate students

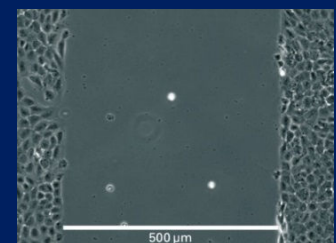
Applications of Immuno-labeling & Bio-imaging



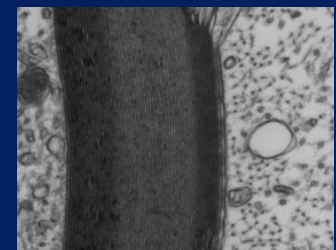
ICC Double Labeling (Rhodamine/ DAPI)
Courtesy: Fei Tieng, Lim, CDDR, Faculty of Pharmacy, UiTM



ICC Double Labeling (AF488/ DAPI)
Courtesy: Fei Tieng, Lim, CDDR, Faculty of Pharmacy, UiTM



Invasion of RAT1 cells
Source: ibidi.com (Image reprinted with permission)



TEM Image of Myelinated Sciatic Nerve
Courtesy: Elsie Wong, Hi-Tech Instruments

Itinerary:

Day 1 (14th April 2015)*

0900-0930 Registration
0930-1045 Lecture 1: Principles of IHC & ICC
1045-1200 Lecture 2: Antibody selection
1200-1300 Lab 1 (Live cell imaging - Setup)
1300-1400 Lunch
1400-1700 Lab 2 (IHC Double-labeling)

Day 2 (15th April 2015)*

0900-1030 Lab 3 (IHC Double-labeling cont.)
1030-1145 Lecture 3: *In vitro* imaging
1145-1300 Lecture 4: TEM sample preparation
1300-1400 Lunch
1400-1700 Lab 4 (Viewing of live cell and double-labeling samples)

* Light refreshments will be served during short breaks

Registration Form

Prof/ A/Prof/ Dr/ Mr / Mdm/ Ms: _____

Position: Academician/ Researcher/ Research Officer/ Post-doctoral fellow/ Post-graduate student/ Others

Organisation: _____

Address: _____

Tel: _____ Mobile: _____ Fax: _____

Email Address: _____

Registration fee:

- UiTM staff/ PG students : RM 375
- Non-UiTM staff/ PG students : RM 500

For registration, please kindly email the registration form to our secretariat as follow:
(Subject: "Registration for Immuno-labeling & Bio-imaging Workshop"):

- 1) feitieng@yahoo.com.sg OR
- 2) stvlsm@gmail.com

Registration Deadline: 7th April 2015

This workshop is organised in collaboration with:

microLAMBDA



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