

Advanced Techniques Workshop 2014



Brain Research Institute Monash Sunway

Date : 10th September - 16th October 2014

Venue : BRIMS, Level 3, Building 3

Deadline Registration : 1st August 2014

Time: 9.00am - 5.00pm

Registration Fee Per Module

RM 1,300 per person

RM 800 per student

Module 1: Advanced Imaging

Date: 10th - 12th September

Includes:

- Fluorescence microscope: Optimizing imaging and microphotography
- Confocal Microscope: Optical Sectioning
- Live Cell Imaging
- Light Microscopy: Contrast Techniques

Main Facilitator

Dr. Satoshi Ogawa

Email: satoshi.ogawa@monash.edu

Module 2: Histology

Date: 17th - 19th September

Includes:

- In-situ hybridization
- Immunohistochemistry
- Fluorescence immunohistochemistry
- Fluorescence in situ hybridization
- Rodent Neuroanatomy

Main Facilitator

Dr. Satoshi Ogawa

Email: satoshi.ogawa@monash.edu

Module 3: Cell Culture and Manipulation of Gene Expression

Date: 23rd - 24th September

Includes:

- Safety Issues of Cell Culture Laboratory
- Cell Counting and seeding
- Cell Culture maintenance
- Selection of Cell for experimental Model and Handling

Main Facilitator

Dr. Shogo Moriya

Email: moriya.shogo@monash.edu

Module 4: Gene Transfection and Real Time PCR

Date: 25th - 26th September

Includes:

- Introduction of manipulating gene expression
- Evaluation of Gene Expression
- Real Time PCR
- RNA Isolation and cDNA Conversion
- Transfection of gene

Main Facilitator

Dr. Shogo Moriya

Email: moriya.shogo@monash.edu

Module 5: Animal Care and Use

Date: 9th October

Includes:

- Breeding & Colony Management
- Ethics & Welfare
- Animal care-minimizing & distress
- SPF Animal Facility & Environmental Enrichment
- Animal Handling Techniques
- Rodent Anesthesia
- Surgical techniques in Rodents

Main Facilitator

Dr. Tomoko Soga

Email: tomoko.soga@monash.edu

Module 6: Behavioral Neuroscience

Date: 15th - 16th October

Includes:

- Motor function and sensory ability for behavior study in Rodent and Fish
- Animal model and handling for behavior study in Rodent and Fish
- Methods of behavior study in neuroscience
- Behavior Analysis
- Social Interaction
- Circadian Rhythms

Main Facilitator

Dr. Tomoko Soga

Email: tomoko.soga@monash.edu

Disclaimer: The organizer reserves the right to reschedule or cancel any part of its published program or venue due to unforeseen circumstances and will not accept liability for costs incurred by participants or their organization for the cancellation of travel arrangement and / or accommodation reservations as a result of the course being cancelled or postponed. Advance notice will be given if there is such a change or cancellation.

Main Organizer

Professor Ishwar Parhar

BRIMS Director and Head of Neuroscience, Monash Malaysia

For Registration or further information queries please contact

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