

# **7th IBRO School of Neuroscience**

## **Asia-Pacific Region**

**November 28 – December 10, 2005**

**Hong Kong, China**

IBRO decided in October 1999 to set up an Annual Neuroscience School in each of 4 regions of the world, viz. Asia-Pacific, Africa, Latin America, and Eastern/Central Europe. The first four Schools in the Asia-Pacific region were held in Hong Kong in 2000-2004. The 5<sup>th</sup> School was held in Bangkok, Thailand in 2004 and the 6<sup>th</sup> School in Bangalore, India in 2005. The 7<sup>th</sup> IBRO School of Neuroscience will again be held in Hong Kong in December 2005.

The purpose of the School is to provide a platform for senior PhD students and junior post-doctoral fellows in the Asia-Pacific region to meet in an environment where they can acquire knowledge of both theoretical and technological advances in key areas of neuroscience research. Funding from IBRO will enable 20 students (from outside Hong Kong) to attend this 2-week School. The return airfare (home city — HK) as well as room and board for the 2 weeks will be funded by the School.

The School in Hong Kong will cover lectures, seminars and a variety of laboratory projects. These will focus on 5 technique-oriented areas in neuroscience. Each student will choose one of the 5 areas and attend hands-on workshops in participating universities in the following order: Hong Kong University of Science & Technology, The Chinese University of Hong Kong & The University of Hong Kong. Different laboratories will be used for each area so that students can benefit from the range of research facilities in the territory. Mini-projects will be introduced in each of the 5 areas with an aim to link the practical sessions in the different laboratories. Towards the end of the School, there will be a half-day presentation session when students from each group will present results of their project(s).

Teachers of the School will be internationally recognized researchers from the Asia-Pacific region. Interaction between the students and teachers will be emphasized and encouraged throughout the two weeks. During the School, the participants will attend a scientific symposium. They will be encouraged to present their own research work in one of the scientific sessions.

Students will be selected on the basis of academic record and written statements concerning their interest in neuroscience and what they expect to get out of the School. Preference will be given to applicants from developing countries. The selection process will be coordinated by the IBRO Asia-Pacific Regional Committee.

The application form can be down-loaded from the following websites:

<http://www.ibro.org>

<http://www.fmshk.com.hk/hksn>

<http://www.FAONS.org.au>

The closing date for applications is September 15, 2005. Return the completed application forms preferably by email: [whyung@cuhk.edu.hk](mailto:whyung@cuhk.edu.hk) (or facsimile: 852-26035022) to:

Professor W.H. Yung,  
Department of Physiology,  
Faculty of Medicine,  
The Chinese University of Hong Kong,  
Shatin, Hong Kong, China.

For further information, please contact the School Secretariat, c/o The University of Hong Kong (Fax: 852-28559730; Email: [cmychan@hkucc.hku.hk](mailto:cmychan@hkucc.hku.hk) ).

Topics	HKUST	CUHK	HKU
Imaging techniques for neurobiology	- localization of neurotransmitter receptors	- localization of receptors - electron microscopy	- double fluorescence - immunocytochemistry
Electrophysiological analysis of neurons	- cultured neuron patch-clamp	- patch-clamp recording from in brain slices - multiple electrode field potential measurement	- whole animal electrophysiology, microinjection and iontophoresis
Functional genomics	- expression of exogenous genes	- proteomics	- in vivo and in vitro gene transfer
Neuronal development	- viral mediated gene expression	- brain slice culture - confocal microscopy	- dorsal root ganglion explants
Neurotransmission and signaling	- cell signaling pathways involved in neuromuscular junction formation	- function and release of neurotransmitters in isolated preparations	- intracellular calcium and cell length measurement

Accommodation:

Students will be resident at the University Guest House. Two students will be expected to share one room.

Meals:

Breakfast and dinner will be served at the Guest House. Lunch will be served at cafeterias of each university. Students and lecturers will remain as a group for these events.

Transportation:

A bus will be arranged to transport the students and lecturers as a group between the Guest House and each university.