

ISN/APSN/IBRO School, 16-21 June 2008

School of Pharmacy, Fudan University, No. 130 Dong'an Road, Student Lab, Level 1,
Building No. 5 (West Campus), Shanghai 200032, China

- Host – Dean and HOS school of Pharmacy, Prof Yizhun Zhu
- Teachers/RAs:
 - Dr Yizhun Zhu (MCAO)
 - Mr Qihai Gong (MCAO)
 - Ms Stephy Loh (MCAO/ICC)
 - Dr Alfreda Stadlin (Brain Dissection, Western blot/ICC)
 - Dr Peter Dodd (Real-time RT-PCR)
 - Dr Xuemei Zhang (Real-time RT-PCR)
 - Dr Qian Wang (Real-time RT-PCR)
 - Dr Wei Guo (Western blot)
 - Ms Heung-Ling Choi (Western blot)
 - Dr Liu Xinhua (ICC)
 - Dr Hongbo Wang (ICC)
 - Dr Hong Xin (Hoechst staining)
 - Dr Ping Yang (LC-MS)
 - Dr Jianying Liang (HPLC)
 - Dr Roger Butterworth (Talk preparation)
- Funding Received: \$20,000 ISN (\$16,000 paid), \$12,000 IBRO (paid), APSN (sponsor the registration fee difference (\$50/school attendees) for APSN meeting)
- Accommodation, food and transportation from airport organized by Fudan Univ. – they were very efficient and provided excellent support
- 45 applications:-
 - 1 Australia (withdrawn)
 - 1 Bangladesh
 - 1 Canada (travel cost sponsored by supervisor)
 - 9 China
 - 20 India
 - 3 Korea (2 travel cost sponsored by supervisor)
 - 3 Pakistan
 - 1 Sri Lanka
 - 6 Thailand
 - 1 UK (own travel support)
- Selection criteria (no 2 persons from the same lab were selected)
- Selection panel (Roger Butterworth – ISN; YS Chan – IBRO; Yizhun Zhu – Fudan Univ; Alfreda Stadlin – APSN Chair)
- Score – 1 to 3; 3 discard, 1 top priority, 2 reserve; students with the smallest total score were selected.

- Total no. of students selected (33 students):
 - 1 Bangladesh
 - 1 Canada (no travel support needed)
 - 9 China (1 local student do not require support)
 - 12 India
 - 3 Korea (2 students do no need travel support)
 - 1 Pakistan
 - 1 Sri Lanka
 - 4 Thailand (1 student from Indonesia studying in Thailand)
 - 1 UK (no travel support needed)

- No. of student attended (27 students):
 - Students with visa problems – Bangladesh, Pakistan, 2 Indian students
 - No show – UK, 1 from China

- Techniques offered (in order of popularity):
 - Middle Cerebral Artery Occlusion Model – whole class
 - Brain dissection – whole class
 - Real time RT-PCR (22)
 - Western Blot (17)
 - Immunocytochemistry (10)
 - HPLC (7)
 - Hoechst (5)
 - LC-MS (5)

- Students prioritized techniques during applications; the 1st 2 choices were given. Students were split into 2 groups and labs ran in repeated fashion so students rotate into their second technique mid-week.

- Technique lectures were given at the start of each day prior to lab classes
 - MCAO – Dr Yizhun Zhu
 - Real time RT-PCR; PCR – Peter Dodd
 - Western Blot, ICC – Alfreda Stadlin
 - HPLC/LC-MS – Roger Butterworth
 - Hoechst/TUNEL – Peter Dodd & Alfreda Stadlin

- Each lab had teachers and a research assistant to assist in lab work to provide constant interaction with students. Students have hands-on experience for each technique taught.

- Wed afternoon – Roger Butterworth gave a talk on how to prepare 10 min talk, poster & CV

- Students prepared 10-min group presentations on Friday afternoon – students were grouped into 6 groups based on the 6 hands-on techniques they participated in and worked as a group to prepare PowerPoint presentations. One student from each group was selected at random to give the talk at the start of presentation. The whole group participated in the 5-10 min question time.

- Students were presented with a certificate for completion of ISN/APSN/IBRO school

- Wrap up dinner at Pearl of Orient on Friday evening – Sponsored by Pharmaceutical company (organized by Dr Yizhun Zhu)
- Students were given a questionnaire at the end to obtain feedback (brief summary):
 - Lab Ratings (1-5 Likert scale; 1=poor to 5=excellent):
 - MCAO demonstration – 4.2
 - Brain dissection – 4.3
 - Real time RT-PCR – 3.4
 - Western Blot – 4.4
 - ICC – 4.4
 - Hoechst – 4.1
 - HPLC – 4.8
 - LC-MS – 3.8
 - Sample comments for future schools:
 - Most students want more hands-on techniques
 - More research lectures
 - More time on each experiment
 - Data analysis
 - Primer design
 - Research design
 - Lecture Ratings:
 - MCAO – 4.1
 - Real-time RT-PCR – 4.5
 - PCR – 4.4
 - Ischemia/stroke-apoptosis – 4.2
 - HPLC – 4.2
 - Preparing a 10-min talk – 4.6
 - Preparing CV – 4.3
 - Western blot/ICC (inadvertently left out)
 - General comments:
 - Very good to excellent (above 4); informative and useful, phenomenal; more lectures on basic techniques
 - How to prepare 10 min talk very useful, e.g. could be longer and included samples
 - Students were very appreciative of accommodation, food & travel arrangements organized by Fudan University.

Students:

Surname	Name	Address	Country
Jiang	Wenlei	Neuroscience Research Unit, University of Montreal (CHUM), Hôpital Saint-Luc, 1058 St-Denis Street, Montreal, Quebec H2X 3J4	Canada
Ge	Xiaodong	Dept of Human Anatomy, Guangxi Medical University, Shuangyong Rd, Nanning, Guangxi Autonomous Region, 530021	China
Jiang	Xiaohua	Beijing Institute for Neuroscience, Capital Medical University, You An Men Wai Xi Tou Tiao 10 Hao, Beijing, 100069	China
Liu	Bingfang	Beijing Institute for Neuroscience, Capital Medical University, You An Men Wai Xi Tou Tiao 10 Hao, Beijing, 100069	China
Wang	Wei	Dept of Anatomy and K. K. Leung Brain Research Centre, The Fourth Military Medical University, No. 17 West Changle Road, Xi'an 710032	China
Xiong	Yuyun	Pharmacognosy, Jiangsu University School of Pharmacy, No.301 Xuefu Road, Zhenjiang, Jiangsu Province, 212013	China
Zhai	Dongxu	Dept of Neurobiology, Harbin Medical University, Baojian RD #157, Harbin, Heilongjiang, 150081	China
Zhang	Jinglin	Neurology & Neurobiology, Capital Medical University, Xuanwu Hospital Capital Medical University, ChangChun Street 45# Beijing, 100053	China
Zhu	Yunqui	Dept Physiol & Neurobiol, 56 Xinjian South Road, Taiyuan, Shanxi Province, 030001 P.R.	China
Antony	Sherin	Centre for Neuroscience, Department of Biotechnology, Cochin University of Science and Technology, Cochin-682022, Kerala	India
Devaki	Ramakrishna	Biochemistry, Kamineni Institute of Medical Sciences, Sreepuram, Narketpally, Nalgonda-808254	India
Jana	Sirsendu	Dept of Biochemistry, Institute of Postgraduate Medical Education and Research, 244B, A.J.C. Bose Road, Kolkata-700020, West Bengal	India
Kaushik	Mahesh	Room 2025, Sleep Research Laboratory, Dept of Physiol, All India Institute of Medical Sciences, Ansari Nagar, New Delhi -110029	India
Kumar	Anil	Univ Institute of Pharmaceutical Sci, Sector 14, Panjab Univ, Chandigarh-160014	India
Kumar	Ramesh	Dept of Anatomy, University of Madras, Taramani campus, Chennai, Tamilnadu, 600113	India
Nayak	Amit	Biochem Res Lab, Central India Institute of Medical Sciences, 88/2 Bajaj Nagar, Nagpur-440010, Maharashtra	India

Surname	Name	Address	Country
Saxena	Kapil	School of Studies in Neuroscience, Jiwaji University, Gwalior, 474 011, Madhya Pradesh	India
Sen	Barsha	Manovikas Bio-medical Research and Diagnostic Centre, Manovikas Kendra Rehab & Res Institute for the Handicapped, 482, Madudah, Plot I-24, Sector J, E.M. Bypass, Kolkata 700107, West Bengal	India
Thoppuvalappil	Ambili A	Division of Cell Biology and Physiology, Indian Institute of Chemical Biology, 4 Raja S. C. Mullick Road, Jadavpur, Kolkata-700 032	India
Choi	Woong-Ki	Dept of Integrative Medicine, College of Medicine, the Catholic University of Korea, Seoul 137-701	Korea
Joung	Hye-Young	Department of Integrative Medicine, College of Medicine, The Catholic University of Korea, #505 Banpo-Dong, Seocho-Ku, Seoul 137-701	Korea
Jung	Eun-Yee	Dept of Integrative Medicine, College of Medicine, the Catholic University of Korea, Seoul 137-701	Korea
Kentheeswaran	Printha	Dept. of Anatomy, Faculty of Medical Sciences, University of Sri Jayewardenepura, Nugegoda	Sri Lanka
Szeifoul		Neuroscience, Neuro-Behavioural Biology Center, Institute of Science and Technology for Research and Development, Mahidol University, Salaya, Nakorn Pathom 73170	Thailand
Viwatpinyo	Kittikun	Dept of Anatomy, Faculty of Science at Mahidol University - Phayathai Campus 272 Rama VI Road, Ratchathewi, Bangkok 10400	Thailand
Wisessmith	Wilailan	Neuroscience, Institute of Science and Technology for Research and Development, Mahidol University, 999 Phuttamonthon 4 Road, Salaya, Nakhon Pathom 73170	Thailand
Wongchitrat	Prapimpun	Dept of Anatomy and Neurosci Res Ctr, Faculty of Medicine, Srinakharinwirot University, 114 Soi Sukhumvit 23 Wattana Klongtoey Bangkok, 10110	Thailand
Arif	Mohammad	Department of Biochemistry and Molecular Biology, University of Dhaka, Dhaka-1000	Bangladesh
Jiang	Zheng	Pharmacy, Fudan Univ, 138 Yi Xueyuan Road, Shanghai 200032	China
Khanna	Pooja	Biophysics Department, Panjab University, Sector - 14, Chandigarh - 160014	India
Lakhanpal	Dinesh	Animal Tissue Culture Lab., Department of Biotechnology, Guru Nanak Dev University, Amritsar-143005, Punjab	India

Surname	Name	Address	Country
Ahmed	Mushtaq	Department of Chemistry, University of Science & Technology Bannu	Pakistan
Wu	Yue	Stem Cell Biology Lab, Wolfson Centre for Age-Related Diseases, Hodgkin Building Wolfson Wing, King's College London, Guy's Campus, London SE1 1UL	UK

