



International Society  
for Neurochemistry



Asian-Pacific  
Society for  
Neurochemistry

## Announcement of ISN-APSN Advanced School (Kaohsiung 2014)

In conjunction with the 12th Biennial Meeting of the Asian-Pacific Society for Neurochemistry (APSN), an International Society for Neurochemistry (ISN)-APSN Advanced School will be held in Kaohsiung, Taiwan.

### Basic Information

- **Date:** August 18-22, 2014
- **Venue:** Center for Translational Research in Biomedical Research, Chang Gung Memorial Hospital, Kaohsiung, Taiwan
- **Theme:** Neuroimaging as a contemporary adjunct to neurochemistry

### Objectives

There are two main objectives for this five-day ISN-APSN Advanced School (Kaohsiung 2014). The first objective is to introduce postdoctoral fellows and junior faculty members or researchers to contemporary neuroimaging methodologies that are complementary to neurochemical studies. The second objective is to provide a platform to enable young scientists from different fields of neurochemical or neuroscience research to meet and exchange ideas and experiences.

## **School Program**

The Center for Translational Research in Biomedical Sciences at Chang Gung Memorial Hospital will provide state-of-the-art facilities to teach advanced imaging methodologies that will include time-lapse microscopy, in vivo imaging (IVIS), ultrasonography, animal MRI and human MRI. These are invaluable methodologies to neuroscientist that are not usually accessible to participants within a single School. By relating these methodologies to disease modalities such as stroke, this ISN-APSN Advanced School will enable participants to acquire new ideas and to learn new techniques and methods that may be beneficial to their future research.

## **Detailed Activities at the School**

The School will include eight 30-minute technical lectures, four 1-hour advanced lectures and two 1-hour lectures on translational medicine, and nine laboratory hands-on modules. All 9 laboratory modules will be conducted in a rotational fashion to allow all students to be exposed to all modules. Each laboratory module lasts 3 and 1/2 hours. Details are listed below.

### ***Technical lecture series associated with laboratory hands-on modules:***

- L1: Isolation of primary neuron cells
- L2: Gene delivery in cultured cells
- L3: Acute ischemic stroke (MCAO) model in rats
- L4: Chronic ischemic stroke model in rats
- L5: Research applications of time-lapse microscopy
- L6: Research applications of In Vivo Image System (IVIS) in small animals
- L7: Research applications of MRI in small animals
- L8: Research applications of ultrasonography in small animals

### ***Advanced lecture series: To be delivered by the overseas faculties***

***Lecture series on translational medicine:***

T1: A clinician's perspectives on neuroimaging

T2: My views on translational medicine

***Laboratory hands-on modules:***

Module 1: Preparation of primary neuron cells

Module 2: Induction of chronic cerebral ischemia

Module 3: Gene delivery for culture cells

Module 4: MCAO induction and ADMSC delivery

Module 5: Time-lapse microscopy: Cell proliferation and migration

Module 6: Time-lapse microscopy: Migration of mitochondria in neuron

Module 7: MRI examination of acute ischemic stroke in rats

Module 8: MRI examination of chronic ischemic stroke in rats

Module 9: Tracing ADMSC by IVIS & carotid artery ultrasonography

***School students' oral presentation:***

During the afternoon session on Advanced School Day 5, participants will orally present their research work assisted by PowerPoint. These presentations will be chaired by the school faculty members. Three of the presentations will be awarded as gold, silver and bronze medals.

**Applications**

- (1) A maximum of 20 students will be enrolled.
- (2) Students will be limited to those currently working the Asian-Pacific region, and will be selected by a School Organizing Committee formed by members of the APSN Council and the local organizing committee.
- (3) Since this is an Advanced School, students should be currently postdoctoral fellows or assistant professors (or equivalent), and are within 8 years after they received their PhD degree or equivalent.

(4) Applicants will be required to present an oral or poster communication at the 12th Biennial Meeting of the APSN (<http://www.apsn2014.org/index.html>) by submitting an abstract (see guidelines and sample below).

**(5) To apply, please send the following items in a single PDF** to Professor Samuel Chan, Organizer, 2014 APSN Advanced School at: [apsn2014@gmail.com](mailto:apsn2014@gmail.com).

***(6) The deadline of application is April 30, 2014.***

- a. A letter of intent, stating why the Advanced School is relevant to your research and career.
- b. A curriculum vitae (3-page maximum) containing name, date of birth, nationality, academic qualifications (include institutions where they were obtained, area of specialization, and year of graduation), professional experiences (include position title, inclusive dates, department, and institution; beginning with current position), honors and awards, and a list of publications and/or conference presentations.
- c. An estimation of travelling expenses (in US\$) between current residence and Kaohsiung.
- d. Two reference letters, one of which must be from your current supervisor.
- e. **\*\*Abstract to be presented at APSN 2014 (see guidelines and sample below).**

**\*\*Note:** Applicants who have already submitted their abstracts online via the APSN 2014 website should cut-and-paste the abstract below with a note to that effect.

#### **Guidelines for Submission of Abstracts**

1. Accepted abstracts of APSN 2014 will be published as a supplement of the Journal of Neurochemistry.
2. The text of the abstract should be no more than 250 words, and should be supplied in MS Word format. **Note: PDF is not acceptable.**

3. The abstract should be composed in one single paragraph; subheadings should not be used. Do not justify on the right side.
4. Text should be typed using Times New Roman fonts, 11 points.
5. Authors should be listed as initials followed by surname (e.g. J.D. Smith, S.Y. Lee). Underline the presenting author, who should be listed as the first author.
6. Numbers (rather than symbols) should be used for multiple author affiliations.
7. Tables and figures should not be included in the abstract.
8. References and Acknowledgement of financial supports, when listed, will be counted as part of the text (250 words).
9. To avoid printing errors, Greek characters should be spelled out (e.g. alpha instead of  $\alpha$ ). Take care not to use I (cap i) or l (ell) for 1 (one), or O (capital o) for 0 (zero).
10. Authors are responsible for the scientific and syntactic contents of the abstract.

#### **Sample Abstract**

**The title of the abstract should be presented in lower case and in bold type, and should be succinct.**

J.D. Smith<sup>1</sup>, S.Y. Lee<sup>2</sup>

<sup>1</sup> *Abc University, Department of xxxx, City, Country*

<sup>2</sup> *Xyz Hospital, Center for xxxx, City, Country*

The first sentence should be indented. The entire text should be presented in one single paragraph, and is limited to 250 words. Do not justify on the right side. Use Times New Roman, 11 points throughout. Authors should be listed as initials followed by surname. Underline the presenting author, who should be listed as the first author. Numbers (rather than symbols) should be used for multiple author affiliations. Tables and figures should not be included in the abstract. References and Acknowledgement of financial supports, when listed, will be counted as part of the text (250 words). To avoid printing

errors, Greek characters should be spelled out. Finally, authors are responsible for the scientific and syntactic contents of the abstract.

### **Fianancial Supports for students**

Students who are admitted to the Advanced School will be provided with the following financial supports.

- a. Subsidies for travelling expenses between current residence and Kaohsiung, the amount to be determined by the School Organizing Committee.
- b. Accommodation for the duration of the APSN School and APSN 2014.
- c. Lunch and dinner during the APSN School. (Note: lunch is included in the registration fees of APSN 2014).
- d. Waiver of registration for APSN 2014.

### **Important Dates:**

- April 30, 2014: Deadline for receipt of completed application.
- May 20, 2014: Annoucement of application results.
- August 17, 2014: Arrival of students at Kaohsiung, Taiwan