

Neuroscience Workshop on Human Brain Tissues

December 14th to 18th 2006

**Dept. of Anatomy, Faculty of Medical Sciences
University of Sri Jayewardenepura
Sri Lanka**

**In Collaboration with
Asian Pacific Society for Neurochemistry (APSN)
And
Neuroscience Society of Sri Lanka**

Research techniques demonstrated:

1. Preparation of human brain tissue for research
2. RNA extraction
3. RT-PCR
4. Western blot analysis
5. Immunocytochemistry
6. Identification of apoptotic cells
7. Genomic DNA extraction

Lectures/demonstrations:

- ◇ Brain Banking:
 - How to establish a brain bank
 - Human autopsy material for research in Molecular Biology of Neurodegeneration
 - Microscopical slides of various pathologies of the human brain
 - Plastination of brain material for research and teaching application
 - Neuropathological markers in human brain tissue
 - Molecular techniques to study gene expression in human brain
 - In situ hybridization techniques for the study of gene expression in the nervous tissue
- ◇ Genetics of Brain Diseases
 - Gene polymorphisms in stroke
 - Untangling the tau gene association with neurodegeneration
 - Alcoholism and gene expression
 - Addiction genes
 - Gene targeting methods
 - Genetic testing
 - Protein-DNA complex
 - Neurodegenerative psychiatry
- ◇ Stem Cell and Regeneration Research:
 - Current trends
 - Preparation of stem cells
 - Stems cells in stroke

Resource personnel:

1. Dr. Peter Dodd (Chairperson Scientific Committee), University of Queensland, Australia,
2. Dr. Alfreda Stadlin, Griffith University, Australia
3. Dr. Albert Aguayo, President IBRO, Montreal General Hospital, Canada
4. Dr. Rivka Ravid, The Director, Netherlands Brain Bank/ Senior advisor KNAW
5. Dr. Rita Christopher, National Institute of Mental Health and Neurosciences, India
6. Dr. Raj Mehra, All India Institute of Medical Sciences, India
7. Dr. .T.S.S. Rao, JSS Medical College, India
8. Dr. N. M.Shama Sundar, JSS Medical College, India
9. Dr. Jagannatha Rao, Central Food Technological Research Institute, India
10. Dr. Hee-Sup Shin, Korea Institute of Science and Technology, Korea
11. Dr. Y.Z. Zhu, National University of Singapore, Singapore
12. Dr. Radha Rama Devi, Center for DNA Fingerprinting and Diagnostics, India
13. Dr. Rohan de Silva, University College London, UK
14. M/s CHOI Heung Ling, The Chinese University of Hong Kong, Hong Kong.

Travel support provided by:

1. Alzheimer's Association, USA
2. IBRO Asia-Pacific Regional Committee
3. Official Airline – Sri Lankan Airlines will offer 10% discount

Limited travel grants are available for support travel of young neuroscientists in the region from the closest airport to Colombo, Sri Lanka

Applicants for travel grants should send the CV and a letter of recommendation from the referee before the 15th November

Registration fees:

Rs. 10,000 (USD100)

Sponsored by:

1. IBRO – International Brain Research Organization
2. IWHO – World Health Organization
3. University Grants Commission, Sri Lanka
4. National Science Foundation, Sri Lanka

Equipments donated by:

1. National Institute of Neurological Disorders & Stroke (NINDS) of National Institute of Health (NIH), USA
2. Committee for Aid and Education in Neurochemistry (CAEN), International Society for Neurochemistry (ISN)

Local organizer and contact person:

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<http://www.sjp.ac.lk/>

REGISTRATION FORM

Title: [] Prof. [] Dr. [] Mr. [] Ms.

Family Name:Given name:.....

Organization:

Address:

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Postal code:

Phone no:Fax no:.....

E-mail:

Research Interest:

Explain why you are interested in neuroscience and what benefit you expect to get out of attending the meeting. (500 words)

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DateSignature