

## **Educational Commission activity for AOEC 2008**

### **Pre-Congress Basic Science Course “Ion channels and epileptogenesis”**

Course Directors: Esper Cavalheiro, Byung-in Lee and Peter Wolf

#### 14 May – afternoon session

- 14:00 – 14:45 Are all gene-mediated epilepsies related to ion-channel defects? I. Scheffer (Australia)
- 14:45 – 15:30 Experimental models of channelopathies – G. Avanzini (Italy)
- Coffee break
- 16:00 – 16:45 Kindling and kainic acid-induced limbic seizures in rats, cats and baboons - Channelopathy? - T. Tanaka (Japan)
- 16:45 – 17:30 Calcium channels in epileptogenesis – H. S. Shin (S. Korea)
- 17:30 – 18:00 Overall view and translational aspects of channelopathies – P. Wolf (Denmark)
- 18:00 – 19:00 Announcement of South-South networking for epilepsy research  
Groups of participants with special interests meet with speakers for extended discussions
- 19:00 Light dinner
- Informal meeting of course organizers with representatives of centres and institutes who are interested in participating in research networks

#### 15 May – morning session

- 08:00 – 08:45 Potassium channels and their role in epileptogenesis - Tao Su (China)
- 08:45 – 09:15 Pathomechanism and genetics of hot water epilepsy - P. Satishchandra (India)

Coffee break

- 09:45 – 10:30 Are ion channels involved in resistance to epileptogenesis observed in the Amazonian *Proechimys* rodent? E. Cavalheiro (Brazil)
- 10:30 – 11:30 Overall discussion and future developments  
Establishment of working group