

**International Symposium on  
Epilepsy in Neurometabolic Diseases  
(ISENMD)**

**The 13th Annual Meeting of the Infantile Seizure Society**

**March 26 -28, 2010**

**Howard Plaza Hotel**

**Taipei, Taiwan**

**Program**

# PROGRAM - ORAL PRESENTATIONS

**Day 1, March 26 (Friday)**

## Opening Addresses

14:20-14:30

Yukio Fukuyama (Chairperson, Board of Councillor, ISS)

Ein-Yao Shen (President, ISENMD)

### **Session I Clinical and Neurophysiological Diagnoses of Neurometabolic Diseases**

14:30 -16:00

Chairpersons: Shinichi Nijima (Tokyo, Japan)

Ein-Yao Shen (Taipei, Taiwan)

**O 01** 14:30 -14:50

#### **NEUROMETABOLIC DISEASES IN TAIWAN**

Ching-Shiang Chi (Taichung, Taiwan)

**O 02** 14:50 -15:20

#### **THE NEUROLOGICAL MANIFESTATION OF INBORN ERRORS OF METABOLISM IN MAINLAND CHINA**

Jiong Qin (Beijing, China)

**O 03** 15:20 -16:00

#### **NEUROPHYSIOLOGICAL CHARACTERISTICS OF NEUROMETABOLIC DISEASES IN CHILDREN**

Joyce Wu (Los Angeles, USA)

## Coffee Break

16:00 -16:20

### **Session II Molecular Basis, Neuropathology and Neuroimaging of Neuro-metabolic Diseases**

16:20 -18:30

Chairpersons: Takao Takahashi (Tokyo, Japan)

Geng-Chang Yeh (Taipei, Taiwan)

**O 04** 16:20 -17:00

#### **MOLECULAR BASIS OF METABOLIC ENCEPHALOPATHY - NEUROGENETIC DISEASES: FROM MOLECULE TO PATIENT**

Yoshiyuki Suzuki (Tokyo, Japan)

**O 05**

17:00 -17:45

**NEUROPATHOLOGY OF NEUROMETABOLIC DISEASES IN CHILDREN WITH EPILEPSY**

Hans Goebel (Mainz, Germany)

**O 06**

17:45 -18:30

**NEUROIMAGING PERSPECTIVES IN PEDIATRIC NEUROMETABOLIC DISEASES WITH EPILEPSY**

Robert Zimmerman (Philadelphia, USA)

**Business Meeting of Taiwan Child Neurology Society**

18:30 - 18:50

**Welcome Party**

B1F Howard Plaza Hotel

19:30 - 21:00

**Day 2, March 27 (Saturday)**

**Session III General and Aminoacidopathy**

08:15 -10:00

Chairpersons: Yong-Seung Hwang (Seoul, Korea)  
Raman Sankar (Los Angeles, USA)

**O 07**

08:15 - 09:00

**CLINICAL PERSPECTIVES OF EPILEPSY AMONG NEUROMETABOLIC DISEASES IN CHILDREN**

Raman Sankar (Los Angeles, USA)

**O 08**

09:00 - 09:20

**AMINO ACID METABOLIC DISORDERS AND INFANTILE EPILEPSY**

Wan-Tso Lee (Taipei, Taiwan)

**O 09**

09:20 -10:00

**NON-KETOTIC HYPERGLYCINEMIA**

Shigeo Kure (Sendai, Japan)

**Coffee Break**

10:00 -10:20

**Session IV Aminoacidopathy**

10:20 -12:05

Chairpersons: Toyojiro Matsuishi (Kurume, Japan)  
Nan-Chang Chiu (Taipei, Taiwan)

**O 10** 10:20 -11:05

**METHYLENE TETRAHYDROFOLATE REDUCTASE DEFICIENCY (MTHFR) AND INFANTILE EPILEPSY**

Asuri N. Prasad (London, Canada)

**O 11** 11:05 -11:35

**MAPLE SYRUP URINE DISEASE AND INFANTILE EPILEPSY**

Jia-Wei Hou (Taipei, Taiwan)

**O 12** 11:35 -12:05

**LONG-TERM TREATMENT AND PROGNOSIS OF CHINESE PATIENTS WITH 6-PYRUVOYL-TETRAHYDROPTERIN SYNTHASE DEFICIENCY**

Dau-Ming Niu (Taipei, Taiwan)

**Lunch Seminar (1)**

12:25-13:10

Chairperson: Kenji Sugai ((Tokyo, Japan)

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**O 13** 12:25 -13:10

**TREATABLE METABOLIC EPILEPSIES: CASE STUDIES**

Philip Pearl (Washington DC, USA)

**Session V Organic Acid and Urea Cycle Disorders**

13:10 -14:50

Chairpersons: Yoshihiro Takeuchi (Shiga, Japan)

Yuh-Jyh Jong (Kaohsiung, Taiwan)

**O 14** 13:10 -13:50

**HEAT STRESS AND ACUTE ENCEPHALOPATHY IN CHILDHOOD DUE TO INHERITED ORGANIC AND FATTY ACID DISORDERS**

Seiji Yamaguchi (Shimane, Japan)

**O 15** 13:50 -14:20

**METHYLMALONIC ACIDEMIA IN CHINA**

Yue-Hua Zhang (Beijing, China)

**O 16** 14:20 -14:50

**EPILEPSY IN UREA CYCLE DEFECTS**

Wuh-Liang Hwu (Taipei, Taiwan)

**Coffee Break and Poster Visit (1)**

14:50-15:35

**Session VI Lipid Metabolism and Lysosomal Storage Diseases** 15:35 -18:00

Chairpersons: Geoffrey Wallace (Queensland, Australia)

Rei-Cheng Yang (Kaohsiung, Taiwan)

**O 17** 15:35 -16:20

**CARNITINE AND FATTY ACID OXIDATION DEFECTS IN INFANTILE EPILEPSY**

Ingrid Tein (Toronto, Canada)

**O 18** 16:20 -17:00

**NEUROLOGICAL ASPECTS OF LYSOSOMAL STORAGE DISEASES**

Hiroyuki Ida (Tokyo, Japan)

**O 19** 17:00 -17:20

**INFANTILE EPILEPSY IN LYSOSOMAL STORAGE DISEASES**

Shyi-Jou Chen (Taipei, Taiwan)

**O 20** 17:20 -18:00

**CNS PATHOLOGY IN LYSOSOMAL STORAGE DISEASES**

Ralph Z. Kern (Toronto, Canada)

**Cross-Strait Session**

18:00-18:45

Chairpersons: Jiong Qin (Beijing, China)

Chao-Ching Huang (Tainan, Taiwan)

**O 21** 18:00 -18:15

**EFFECTS OF GINKGO BILOBA EXTRACT AND PROGESTERONE ON EXPRESSION OF GLUCOCORTICOID RECEPTOR IN CORTEX OF THE RAT AFTER RECURRENT SEIZURES**

Ding-An Mao (Changsha, China)

**O 22** 18:15 -18:30

**CLINICAL ANALYSIS OF NIEMANN-PICK DISEASE TYPE C- 7 CASES**

Hui Xiong (Beijing, China)

**O 23** 18:30-18:45

**INTRACRANIAL GENE DELIVERY OF AAV-GALC VECTOR CORRECTS NEUROPATHOLOGY IN MURINE GLOBOID CELL LEUKODYSTROPHY**

Dar-Shong Lin (Taipei, Taiwan)

**Grand Social Party**

**B1F Howard Plaza Hotel**

19:30-21:30

## Day 3, March 28 (Sunday)

### Session VII Mitochondrial Diseases

08:15 -10:30

Chairpersons: Virginia Wong (Hong Kong)  
Suad Al Yamani (Riyadh, Saudi Arabia)

**O 24** 08:15 -08:55

#### EPILEPSY WITH MITOCHONDRIAL DISEASES IN KOREA

Jong-Hee Chae (Seoul, Korea)

**O 25** 08:55 -09:15

#### EPILEPTIC SEIZURES IN INFANTS AND CHILDREN WITH MITOCHONDRIAL DISEASES IN TAIWAN

Hsiu-Fen Lee (Taichung, Taiwan)

**O 26** 09:15 -10:00

#### CONGENITAL LACTIC ACIDOSIS (PYRUVATE DEHYDROGENASE DEFICIENCY) AND EPILEPSY

Chitra Prasad (London, Canada)

**O 27** 10:00 -10:15

#### SPECTRUM OF MITOCHONDRIAL DISEASES IN A TERTIARY REFERRAL CENTRE IN HONG KONG

Cheuk-Wing Fung (Hong Kong, China)

**O 28** 10:15 -10:30

#### THE CHARACTERISTICS OF SEIZURES IN MALAYSIAN CHILDREN AND ADOLESCENTS WITH MELAS DUE TO A3243G MITOCHONDRIAL DNA MUTATION

Chee-Ming Teh (Kuala Lumpur, Malaysia)

### Coffee Break and Poster Visit (2)

10:30-11:15

### Session VIII Peroxisomal Disorders

11:15 -12:15

Chairpersons: Shinichi Hirose (Fukuoka, Japan)  
Yun-Jong Chen (Taipei, Taiwan)

**O 29** 11:15 -11:55

#### CLINICAL FINDINGS AND DIAGNOSTIC FLOWCHART OF PEROXISOMAL DISEASES

Nobuyuki Shimoszawa (Gifu, Japan)

**O 30** 11:55 -12:15

**PEROXISOMAL DISORDERS AND EPILEPTIC SEIZURES**

Jao-Shwann Liang (Taipei, Taiwan)

**Lunch Seminar (2)**

12:20-13:30

**Chairperson:** Yoichi Sakakihara (Tokyo, Japan)

Ming-I Lin (Taipei, Taiwan)

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**O 31** 12:20 -12:55

**LATEST FINDINGS IN PEDIATRIC EPILEPSY TREATMENT**

Ki-Joong Kim (Seoul, Korea)

**O 32** 12:55 -13:30

**MENKES DISEASE AND INFANTILE EPILEPSY**

Asuri N. Prasad (London, Canada)

**Session IX Vitamin and Mineral Metabolic Disorders**

13:30 -15:10

**Chairpersons:** Aida Salonga (Manila, Philippines)

Huei-Shyong Wang (Taipei, Taiwan)

**O 33** 13:30 -14:15

**PYRIDOXINE DEPENDENT AND RESPONSIVE SEIZURES**

Peter Baxter (Sheffield, UK)

**O 34** 14:15 -14:55

**CLINICAL EVALUATION OF PYRIDOXINE TREATMENT OF INTRACTABLE SEIZURES**

Shunsuke Ohtahara (Okayama, Japan)

**O 35** 14:55 -15:10

**EPILEPSY IN CHILDREN WITH BIOTINIDASE DEFICIENCY**

Pratibha Singhi (Chandigarh, India)

**Coffee Break**

15:10 -15:30

**Session X Neurotransmitter Diseases and Miscellaneous**

15:30 -17:50

**Chairpersons:** Hitoshi Yamamoto (Kanagawa, Japan)

Ching-Shiang Chi (Taichung, Taiwan)

**O 36**

15:30 -16:15

**SUCCINIC SEMIALDEHYDE DEHYDROGENASE(SSADH) DEFICIENCY AND EPILEPSY**

Philip Pearl (Washington DC, USA)

**O 37**

16:15 -16:45

**NEUROIMAGE OF MONOAMINE METABOLIC DISORDERS**

Shin-Fornng Peng (Taipei, Taiwan)

**O 38**

16:45 -17:00

**PATHOPHYSIOLOGY OF EPILEPSY IN NEUROTRANSMITTER DISORDERS**

Yoshiko Nomura (Tokyo, Japan)

**Discussion Summary**

17:00 -17:30

**Chairpersons:** Hian-Tat Ong (Singapore)

Kun-Long Hung (Taipei, Taiwan)

**Principal Discussers:** Raman Sankar (Los Angeles, USA)

Asuri N. Prasad (London, Canada)

**Closing Addresses and Best Poster Award Ceremony**

17:30-17:50

Ein-Yao Shen (President, 13th Annual Meeting of ISS, 2010)

Shinichi Nijima (President, 14th Annual Meeting of ISS, 2011)

**AOCNA Delegate Meeting**

18:00 - 19:00

**Farewell Party (by invitation)**

19:30-21:30

5F Grand Victoria Hotel