

Oral Program

Day 1: March 27 (Friday)

10:00-12:00 **Pre Congress**

PANEL Discussion: From Bench to Bedside: Does Molecular Epilepsy Research Truly Change Clinical Care?

Panelists: **Sheffali GULATI** (Department of Pediatrics, AIIMS, New Delhi, India)
Anannit VISUDTIBHAN (Department of Pediatrics, Faculty of Medicine Ramathibodi Hospital, Mahidol University, Thailand)

Facilitators: **Lakshmi NAGARAJAN** (Perth Children's Hospital, University of Western Australia, Australia)
Kun-Long HUNG (Department of Pediatrics, Fu-Jen Catholic University Hospital, Taiwan)

13:00-13:30 **Opening Ceremony**

13:30-14:15 **Opening Oration**

“Intractable and Rare Epilepsies in a Global Context: Implications for Care, Equity, and Collaboration”

Chairs: **Wang-Tso LEE** (National Taiwan University Hospital, Taiwan)
Shinichi HIROSE (General Medical Research Center, School of Medicine, Fukuoka University, Japan)

Speaker: **Pratibha SINGHI** (The International Child Neurology Association, Head Department of Pediatric Neurology Amrita Hospital Faridabad, India)

14:15-14:45 **Coffee Break**

14:45-15:30 **Plenary Lecture 1**

“A Comprehensive Genetic Analysis of Rare Neurological Disorders Including Epilepsy”

Chairs: **Ingrid SCHEFFER** (The University of Melbourne, Australia)
Shih-Hua LIN (Department of Medicine, Tri-Service General Hospital, National Defense Medical University, Taiwan)

Speaker: **Naomichi MATSUMOTO** (Department of Human Genetics, Yokohama City University Graduate School of Medicine, Japan)

15:30-16:15 **Plenary Lecture 2**

“Identification of Novel Genes in Rare Genetic Epilepsies”

Chairs: **Lung-Chang LIN** (Department of Pediatrics, Kaohsiung Medical University Hospital, Taiwan)
Xiu-Yu SHI (People's Liberation Army General Hospital and Medical School, China)

Speaker: **Yuwu JIANG** (Children's Medical Center, Pediatric Epilepsy Center, Peking University First Hospital, China)

Day 2: March 28 (Saturday)

09:30-10:15 Plenary Lecture 3

“Progressive Myoclonic Epilepsies: Lessons from Neuronal Ceroid Lipofuscinoses”

Chairs: **Yoshikatsu ETO** (Advanced Clinical Research Center & Asian LSD Center, Institute of Neurological disorders, Japan/ The Jikei University, Japan)

Federico VIGEVANO (Developmental Disabilities Dpt, IRCCS San Raffaele, Italy)

Speaker: **Nicola SPECCHIO** (Neurology, Epilepsy and Movement Disorders Unit, Director of Research Unit on Neurological and Neurosurgical Diseases, Bambino Gesù Children's Hospital, IRCCS, Italy)

10:15-11:00 Plenary Lecture 4

“Channelopathy during Early Brain Development”

Chairs: **Naomichi MATSUMOTO** (Department of Human Genetics, Yokohama City University Graduate School of Medicine, Japan)

Rei Cheng YANG (Department of Physiology, School of Medicine, Kaohsiung Medical University, Taiwan)

Speaker: **Jeffrey L. NOEBELS** (Baylor College of Medicine, USA)

11:10-11:55 Plenary Lecture 5

“Molecular pathomechanism of epileptic sodium channelopathy”

Chairs: **Lakshmi NAGARAJAN** (Perth Children’s Hospital. University of Western Australia, Australia)

Wang-Tso LEE (National Taiwan University Hospital, Taiwan)

Speaker: **Kazuhiro YAMAKAWA** (Department of Neurodevelopmental Disorder Genetics, Institute of Brain Science, Nagoya City University Graduate School of Medical Sciences, Japan)

12:00-13:00 Special Luncheon Lecture

“The genetics of the epilepsies: an ever expanding landscape”

Chairs: **Pratibha SINGHI** (The International Child Neurology Association, Head Department of Pediatric Neurology Amrita Hospital Faridabad, India)

Jeffrey L. NOEBELS (Baylor College of Medicine, Houston, USA)

Speaker: **Ingrid SCHEFFER** (The University of Melbourne, Australia)

13:15-14:00 Plenary Lecture 6

“KCNQ2’s past is prologue: where we’ve come and may go”

Chairs: **Kazuhiro YAMAKAWA** (Department of Neurodevelopmental Disorder Genetics, Institute of Brain Science, Nagoya City University Graduate School of Medical Sciences, Japan)

Hideo YAMANOUCI (Department of Pediatrics, Comprehensive Epilepsy Center, Saitama Medical University, Japan)

Speaker: **Edward C. COOPER** (Neurology, Neuroscience, and Molecular and Human Genetics, Baylor College of Medicine, USA)

- 14:00-14:45** **Plenary Lecture 7**
“GABAergic Pathway Dysfunction in Epilepsy: From Mechanisms to Therapeutic Rescue”
- Chairs:** **Naomichi MATSUMOTO** (Department of Human Genetics, Yokohama City University Graduate School of Medicine, Japan)
Yuwu JIANG (Children's Medical Center, Pediatric Epilepsy Center, Peking University First Hospital, China)
- Speaker:** **Katty (Jing-Qiong) KANG** (Department of Neurology & Pharmacology, School of Medicine, Vanderbilt University, Vanderbilt University Medical Center, USA)
- 14:45-15:15** **Coffee Break**
- 15:15-16:00** **Plenary Lecture 8**
“Molecular therapy for channelopathy”
- Chairs:** **Heung Dong KIM** (Department of Pediatrics, Samsung Kangbuk Hospital, Sungkyunkwan University College of Medicine, Korea)
Su-Kyeong HWANG (Astrogen Inc., Korea)
- Speaker:** **Hoon-Chul KANG** (Department of Pediatrics, Severance Children's Hospital, Yonsei University College of Medicine, Korea)
- 16:00-16:45** **Joint Plenary session**
“New Insight into Therapeutic Strategies for Intractable Epilepsy: Current Status and Future Perspectives for Precision Medicine”
- Chairs:** **Hoon-Chul KANG** (Department of Pediatrics, Severance Children's Hospital, Yonsei University College of Medicine, Korea)
Huei-Shyon WANG (Linkou Chang-Gung Memorial Hospital, Taiwan)
- Speakers:** **Ara KO** (Yonsei University College of Medicine, Severance Children's Hospital, Department of Pediatric Neurology, Department of Pediatrics, Korea)
Heung Dong KIM (Department of Pediatrics, Samsung Kangbuk Hospital, Sungkyunkwan University College of Medicine, Korea)
- 16:45-17:30** **Plenary Lecture 9**
“The Holistic Approach to Rare and Intractable Epilepsies”
- Chairs:** **Makiko OSAWA** (St. Margaret's School, Japan)
Nicola SPECCHIO (Bambino Gesù Children's Hospital, Institute for Research and Health Care (IRCCS), Italy)
- Speaker:** **Federico VIGEVANO** (Developmental Disabilities Dpt, IRCCS San Raffaele, Italy)

Day 3: March 29 (Sunday)

09:30-10:15 Plenary Lecture 10

“Integrating Molecular Genetics with Electroclinical Diagnosis and Management in Epilepsy: Challenges and Future Directions”

Chairs: **Kaiping CHANG** (Department of Pediatrics, Taipei Veterans General Hospital, Taiwan / Wei Gong Memorial Hospital, Taiwan)

Jiwen WANG (Department of Neurology, Shanghai Children’s Medical Center, Shanghai Jiaotong University School of Medicine, China)

Speaker: **Lakshmi NAGARAJAN** (Dept of Neurology, Perth Children’s Hospital/ University of Western Australia Medical School, Australia)

10:15-11:00 Closing Oration

“Building International Connections in Asia: What the Azalea Festival Symposium and Epilepsy Genetics Have Taught Us”

Chairs: **Shinichi HIROSE** General Medical Research Center, School of Medicine, Fukuoka University, Japan)

Shyi-Jou CHEN (Department of Pediatrics, Tri-Service General Hospital, School of medicine, National Defense Medical University, Taiwan)

Speaker: **Wang-Tso LEE** (National Taiwan University Hospital Taipei, Taiwan)

11:00-11:20 Closing Ceremony