## Poster Program: Basic Research

### BP1 SCN1A mutations alter the biophysical properties of the ion-conducting pore

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### BP2 Interactions between voltage-gated sodium channel Nav1.1 and fibroblast growth factor FGF12

Ikuo Ogiwara [1], Chengzhu Yin [1], Atsushi Shimohata [1], Mie Gangi [1], Makoto Kaneda [1], Daisuke Kato[1]

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### BP3 KCNQ2 mutations cause distinct phenotypes: functional differences and potential Kv7.2 modulating drugs

Inn-Chi Lee [1], Shi-Bing Yang [2]

[1)]Division of Pediatric Neurology, Department of Pediatrics, Chung Shan Medical University Hospital, Taichung, Taiwan, [2)]Institute of Biomedical Sciences, Academia Sinica, Taipei, Taiwan

### BP4 Novel proteolytic post-translational modification in voltage-gated potassium channel KCNQ2

Yuichi Kimura [1], Hidehiko Uchiyama [1], Koji Masuda [1], Shinichi Hirose [2]

[1)]Department of Animal Science, Tokyo University of Agriculture, Japan, [2)]General Medical Research Center, School of Medicine, Fukuoka University, Japan

### BP5 Megalencephaly-causing pathogenic AKT3 activation drives neuronal hyperexcitability via mTORC1: therapeutic rescue by rapamycin

Yosuke Miyamoto [1], Eisuke Ichise [1], Tomohiro Chiyonobu [1,2]

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### BP6 Therapeutic Effects of Probiotics on Postnatal Seizure Susceptibility After Premature Brain Injury

Ming-Jung Tu [2], Yi-Fang Tu [1], Jia-Shing Chen [3]

[1)]National Chang Kung University, Taiwan, [2)]Chung Shan Medical University,[3)]I-Shou University, Taiwan

### BP7 Developing phenotypic and polygenic scores to improve diagnosis of ADHD and related comorbidities in the Han Taiwanese population

I-Ching Chou [1,2], Yu-Tzu Chang [1,3], Ying-Ju Lin [2,4], Ting-Yuan Liu [5], Sheng-Shing Lin [1,3], Syuan-Yu Hong[1,6], Chien-Heng Lin[7,8], Fuu-Jen Tsai[2,4,5,9]

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## Poster Program: Clinical Resarch

### CP1 Classification and outcomes of genetic epilepsy in Taiwan – A tertiary center experience

Kuan-Ting Yeh [1], Ju-Yin Hou [1], Cheng-Yen Kuo [1],Yi-Hsuan Liu [1], Jainn-Jim Lin [2,3], Meng-Ying Hsieh[1,2], Yi-Ting Cheng[1], Huei-Shyong Wang[1,2], I-Jun Chou[1,2,], Meng-Han Tsai[2,4], Lin Kuang-Lin[1,2]

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### CP2 Clinical and Genetic Spectrum of Pediatric Epilepsy–Movement Disorder Syndromes: A Single-Center Cohort of 56 Patients

Meng-Fan Tai [1], Lee-Chin Wong [1], Wang-Tso Lee [1]

[1)]National Taiwan University Children's Hospital, Taiwan

### CP3 The effects of sleep apnea on risks of sudden cardiac arrest in children with epilepsy

Po Ming Wu [1,2], Pei-Chun Lai [1,3], Yi-Fang Tu [1]

[1)]Department of Pediatrics, National Cheng Kung University Hospital, College of Medicine, National Cheng Kung University, Taiwan, [2)]Institute of Clinical Medicine, College of Medicine, National Cheng Kung University, Taiwan, [3)]Education Center, National Cheng Kung University Hospital, College of Medicine, National Cheng Kung University, Taiwan

### CP4 The Correlation and Potential Mechanisms Between Neonatal Jaundice and Attention-Deficit/Hyperactivity Disorder and Learning Disabilities

Hsi Chang [1,2], Shih-ming Weng [3,4], Yi-Wei Kao [5], Feng-Ching Li [2], Ming-Lan Tsai [1,2]

[1)]Taipei Medical University, Taipei, Taiwan, [2)]Taipei Medical University Hospital, Taipei, Taiwan,[3)]Department of Speech and Hearing Sciences, National Taipei University of Nursing and Health Sciences, Taipei, Taiwan,[4)]Department of Pediatrics, Wan Fang Hospital, Taipei Medical University, Taipei, Taiwan,[5)]Department of Applied Statistics and Data Science, Ming Chuan University, Taipei, Taiwan

### CP5 EEG-Based Classification For Tic Disorders via Complementary Deep Model Integration

Shi-Bing Wong [1], Syu-Siang Wang [2], Chao-Hsiang Hung [2]

[1)]Department of Pediatrrics, Taipei Tzu Chi Hospital, New Taipei City, Taiwan, [2)]Department of Electrical Engineering, Yuan Ze University, Taoyuan, Taiwan

### CP6 GMP-Grade Umbilical MSC Secretome in Paediatric Drug-Resistant Epilepsy: Matched Case–Control Evidence of Seizure, Functional, and IL-6/hs-CRP Biomarker Shifts

Dian Kesumapramudya Nurputra [1], Andika Priamas Nugrahanto [1], Agung Triono [1],Elisabeth Siti Herini [1]

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**CP7　Epilepsy with CDK19 variants: clinical manifestations and outcome**

Yen-Ting Chen [1], Wang-Tso Lee [2]

[1)]Department of Pediatrics, National Taiwan University Children's Hospital, Taiwan, [2)]Department of Pediatric Neurology, National Taiwan University Children's Hospital, Taiwan

**CP8　Epileptic phenotype in a patient with a MARK2 variant: the first detailed description and review of the literature**

Young Ok Kim [1]

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**CP9　Severe Neonatal Encephalopathy in a Boy Associated with a Novel De Novo MECP2 Nonsense Variant**

Young Mi Kim [1], Yun Hee Jo [1]

[1)]Pusan National University Hospital, Korea

**CP10　Perampanel Treatment in CELF2-Related Developmental and Epileptic Encephalopathy: A Case With Partial Respons**

Lee Chin Wong [1], Wang-Tso Lee [1]

[1)]National Taiwan University Hospital, Taiwan

**CP11　Expanding the Phenotypic Spectrum of KCNK4-Related Developmental and Epileptic Encephalopathy: A Case Report Without Classical FHEIG Features**

Adlina Awanis Mamat [1], Ahmad Rithauddin Mohamed [1], Sumitha Murugesu [1], Yan Lian Teo [1], Dianah Abd Hadi [1], Haslina Hashim[2]

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**CP12　Clinical features of HNRNPU deletion syndrome**

Shin Nabatame [1], Tomoya Yano [1], Kanami Maegawa [1]

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**CP13　A Case of ACTL6B-Related Disorder Presenting with Developmental and Epileptic Encephalopathy, Responsive to Corpus Callosotomy**

Konosuke Watanabe [1], Hitomi Hayashi [1], Koshiro Fujikawa [1], Hiromi Yamaguchi [1], Takako Fujita [1], Takahito Inoue[1], Fuyuki Miya[2], Mitsuhiro Kato[3], Shinichiro Nagamitsu[1], Shinichi Hirose[4]

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**CP14　Navigating Failure to Thrive, Refractory Epilepsy, Global Developmental Delay and Movement Disorder in a 2-Year-Old Male: The Diagnostic Significance of Extended 15q11.2-q13.2 Microdeletion**

Tzu-Hung Cheng [1], Shyi-Jou Chen [1], Chih-Fen Hu [1]

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**CP15 Functional Evaluation and Mechanism-Based Rescue of a Novel Variant (A305V) In GABA Transporter 1-encoding SLC6A1 Associated With Myoclonic Atonic Epilepsy**

Aiden Delahanty [1], Debbie Song [1], Juexin Wang [1],Wangzhen Shen [1], Melissa Bassett [1], Jing-Qiong Kang[1]

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**CP16 Successful Treatment of Dravet Syndrome with Camellia Oil: A Case Report**

Wen-Ling Yeh [1], Hueng-Chuen Fan [2], Chih-I Hung [3]

[1)]Tungs' Taichung MetroHarbor Hospital, Department of Nutrition Therapy, Taiwan, [2)]Tungs' Taichung Meroharbor Hospital, Department of Pediatrics, Taiwan,[3)]Tungs' Taichung Meroharbor Hospital, Head Nurse of Nursing Department, Taiwan

**CP17 SCN1A Mutation Location Predicts Stiripentol Efficacy in Dravet Syndrome**

Hueng-Chuen Fan [1], Chi-Hua Cheng [1]

[1)]Department of Pediatrics, Department of Medical research, Tungs' Taichung Metroharbor Hospital, Taiwan

**CP18 Experience of Using Ketogenic Therapy with Camellia Oil in the Treatment of Infantile Spasms: A Case Series of 5 Patients**

Po-Cheng Chen [1], Win-Lin Yeh [2], Hueng-Chuen Fan [1]

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**CP19 ALG13-Related Congenital Disorder of Glycosylation Presenting as Infantile Epileptic Spasms Syndrome**

Hsiao-Ling Liu [1], Wen-Chin Weng [1]

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**CP20 Epileptic Spasms Occurred Earlier In JE Induced Anti-Nmdar Encephalitis**

Aye Mya Min Aye [1], Aye Mu Saan [1], Khine Mi Mi Ko [1]

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**CP21 Case Series of New-Onset Refractory Status Epilepticus**

Ei Sandy Kyaw [1], Aye Mya Min Aye [1], Aye Mu Saan [1], Khine Mi Mi Ko [1], Soe Soe Maw [1]

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**CP22 A novel frameshift DMD mutation (p.Leu2017Profs5) disrupts dystrophin spectrin-like repeats and destabilizes protein conformation: structural insights from AlphaFold-based modeling**

Chih-Fen Hu [1], Yu-Chin Lin [1], Yu-Yang Lu [1],Shyi-Jou Chen [1]

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