

**English**  
**Poster Session**

**May 21 (Thu)**



## May 21 (Thu) English Poster Session

Poster Session (Toki Messe Exhibition Hall A, 1F)

### Stroke Pathogenesis (B) 17:00~18:30

Chair: Masayuki Ueda

(Department of Neurological Science, Nippon Medical School  
Graduate School of Medicine)

Pe-020-1 Lysophosphatidylcholine induces iNOS expression in ischemic penumbra microglia

Speaker: Yuri Inose

(Department of Neurology, Tokyo Women's Medical University  
/Department Pathology, Tokyo Women's Medical University)

Pe-020-2 A regulatory mechanism of D serine-serine racemase in cerebral ischemia

Speaker: Akihiro Watanabe

(Department of Neurology, Osaka University Graduate School  
of Medicine)

Pe-020-3 Edaravone protects hypoperfused cerebral white matter through oligodendrogenesis

Speaker: Nobukazu Miyamoto

(Department of Neurology, Juntendo Urayasu Hospital/  
Neuroprotection Research Lab, Department of Radiology,  
Massachusetts General Hosp. and Harvard Medical School)

Pe-020-4 EPA-E expands therapeutic time window in rat focal ischemia-reperfusion model

Speaker: Masayuki Ueda

(Department of Neurological Science, Nippon Medical School  
Graduate School of Medicine)

Pe-020-5 Analyses of the postischemic expression of the anti-angiogenic factor VEGF165b

Speaker: Masanori Ishikawa

(Department of Neurology, Brain Research Institute, Niigata  
University)

Pe-020-6 Phosphorylated recombinant HSP27 protects brain of BBB disruptions animal models

Speaker: Yoshiaki Shimada

(Department of Neurology, Juntendo University School of  
Medicine)

## **Stroke Therapy Clinical research (A) 17:00~18:30**

Chair: Hiroki Takano

(Tachikawa General Hospital)

Pe-021-1 Cerebral hemorrhage after t-PA in renal dysfunction ischemic stroke patients

Speaker: Howard Chao

(Cardinal Tien Hospital)

Pe-021-2 The transbrachial guide-sheath for direct CCA cannulation in CCA stenting

Speaker: Shigen Kasakura

(Department of Stroke Treatment, Shonan Kamakura General Hospital Stroke Center)

Pe-021-3 Carotid artery stenting prevents progressive stroke due to mobile plaque

Speaker: Masahiro Oomura

(Department of Neurology, Nagoya City East Medical Center)

Pe-021-4 Mild balloon-only PTA for intracranial-intradural arterial stenosis

Speaker: Hiroki Takano

(Neurology Service, Tachikawa General Hospital)

Pe-021-5 Distal Aspiration with Stent Retriever Assisted Thrombectomy, Report of 2 Cases

Speaker: Yohei Takenobu

(Department of Neurosurgery, Kyoto University Graduate School of Medicine)

## **Stroke Therapy Basic (A) 17:00~18:30**

Chair: Kentaro Deguchi

(Department of Neurology, Okayama University Hospital)

Pe-022-1 Reducing Hemorrhagic Complication by Dabigatran with tPA in Stroke Rat

Speaker: Syoichiro Kono

(Department of Neurology Okayama University)

Pe-022-2 Long-term amelioration of telmisartan on PPAR-gamma in SHR-SR after tMCAO

Speaker: Kentaro Deguchi

(Department of Neurology, Okayama University)

Pe-022-3 Therapeutic Efficacy of Angiotensin II Vaccine to Cerebral Infarction in Rats

Speaker: Kouji Wakayama

(Department of Advanced Clinical Science and Therapeutics, University of Tokyo)

Pe-022-4 Oligonucleotide reduced gene expression in focal ischemic brain in mice

Speaker: Fuying Li

(Dept. of Neurology and Neurological Science, Tokyo Medical And Dental University)

Pe-022-5 Blood-derived brain macrophages contribute to spontaneous recovery after stroke

Speaker: Yasuhiro Nishiyama

(Department of Neurology, Nippon Medical School Musashi Kosugi Hospital/Department of Neurological Science, Graduate School of Medicine, Nippon Medical School/Department of Neurosurgery, Stanford University)

Pe-022-6 Intravenous administration of dental pulp stem cells in a rodent stroke model

Speaker: Chikako Nito

(Department of Neurological Science, Graduate School of Medicine, Nippon Medical School)

## **Dementia Clinical research Vascular dementia 17:00~18:30**

Chair: Nagato Kuriyama

(Dept. of Epidemiology for Community Health and Medicine, Kyoto Prefectural University of Medicine)

Pe-023-1 Prevalence of Vascular Cognitive Impairment in Acute TIA and Minor Stroke

Speaker: Muktader A. Kalbi

(University of Santo Tomas Hospital)

Pe-023-2 The effect of cilostazol to attention in the patients with white matter ischemia

Speaker: Aya Inoue

(Department of Neurology, Tokyo Medical University)

Pe-023-3 The effect of WMH (MRI-FLAIR) volume on cognition and rCBF in LLD and MCI

Speaker: Kentaro Hirao

(Department of Psychiatry and Behavioral Sciences, Johns Hopkins University/Department of Geriatric medicine, Tokyo Medical University Hospital)

Pe-023-4 Evaluation for platelet activation in vasucular cognitive imapairment -Part 2-

Speaker: Nagato Kuriyama

(Department of Epidemiology for Community Health and Medicine, Kyoto Prefectural University of Medicine)

Pe-023-5 Development of an Online Reading Literacy Assessment on Mild Stroke Patient

Speaker: Yu Ching Huang

(Department of Neurology, Kaohsiung Chang Gung Memorial Hospital, Taiwan)

- Pe-023-6 A novel presenilin 1 mutation in a sporadic, early-onset dementia with epilepsy  
Speaker: Masako Kinoshita  
(Department of Neurology, Utano National Hospital, National Hospital Organization)

**Dementia Clinical research Tauopathy etc. 17:00~18:30**

- Chair: Yasushi Osaki  
(Department of Neurology, Kochi Medical School Hospital)
- Pe-024-1 Early clinical features of progressive supranuclear palsy (PSP)  
Speaker: Yukari Morita  
(Department of Neurology, Kochi Medical School Hospital)
- Pe-024-2 Features preceding the clinical criteria for possible CBD  
Speaker: Yasushi Osaki  
(Department of Neurology, Kochi Medical School Hospital)
- Pe-024-3 Brain metabolic correlates of tau accumulation in progressive supranuclear palsy  
Speaker: Shogo Furukawa  
(Molecular Neuroimaging Program, Molecular Imaging Center, National Institute of Radiological Sciences/Department of Neurology, Graduate School of Medicine, Chiba University)
- Pe-024-4 ROCK inhibitor decreases phosphorylation levels of tau protein  
Speaker: Tadanori Hamano  
(Second Department of Internal Medicine, Faculty of Medical Sciences, University of Fukui)
- Pe-024-5 Clinical characteristics of delirium with or without preexisting dementia  
Speaker: Jun Gotoh  
(Department of Neurology, Saiseikai Yokohamashi Tobu Hospital)
- Pe-024-6 High Incidence of Osteoarthritis in Alzheimer's disease Female Subjects  
Speaker: Mika Jikumaru  
(Kumamoto University Faculty of Life Science, Department of Neurology)

## Dementia Pathogenesis A $\beta$ 17:00~18:30

Chair: Shun Shimohama

(Department of Neurology, Sapporo Medical University School  
Of Medicine)

Pe-025-1 Effects of antiparkinsonian agents on A $\beta$  and  $\alpha$  S oligomerizations in vitro

Speaker: Kenjiro Ono

(Department of Neurology and Neurobiology of Aging,  
Kanazawa University)

Pe-025-2 The molecular mechanism by which Abeta oligomers induce BACE1 up-regulation

Speaker: Wataru Araki

(National Institute of Neuroscience, NCNP)

Pe-025-3 Analysis of amyloid precursor protein processing in mitochondria

Speaker: Naomi Mamada

(Department of Neurology, University of Tsukuba Faculty of  
Medicine/National Institute of Neuroscience, NCNP)

Pe-025-4 amyloid beta oligomer up-regulates SOCS3 expression in mouse primary microglia

Speaker: Naotoshi Iwahara

(Department of Neurology, Sapporo Medical University)

★ Pe-025-5 Chaperone-mediated autophagy for degrading Alzheimer-associated toxic peptides

Speaker: Meng-shan Tan

(Department of Neurology, Qingdao Municipal Hospital, China)

Pe-025-6 ApoE Isoforms Differentially Affect Amyloid beta-Induced Synaptic Toxicity

Speaker: Maiko Uemura

(Department of Neurology, Kyoto University Graduate School of  
Medicine/School of Human Health Sciences, Kyoto University  
Graduate School of Medicine)

## Dementia Pathogenesis Lifestyle disease 17:00~18:30

Chair: Yasumasa Ohyagi

(Clinical Research Center, NHO Omuta Hospital)

Pe-026-1 Temporal changes of microglial activation and  $\alpha$ 7 nAChR in APdE9 mice

Speaker: Akihiro Matsumura

(Department of Neurology, School of Medicine, Sapporo Medical  
University)

Pe-026-2 Facilitated production of amyloid-beta in cells under high glucose condition

Speaker: Toshiyuki Tezuka

(Department of Neurology, Brain Research Institute, Niigata  
University)

★ : Nominees for the Best Presentation Award for the International Participants

Pe-026-3 Relation of insulin resistance with toxic turn Abeta in 3xTg-AD mice

Speaker: Tomohiro Imamura

(Department of Neurology, Neurological Institute, Graduate School of Medical Sciences, Kyushu University / Division of Endocrinology and Metabolism, Department of Medicine, Kurume University School of Medicine)

Pe-026-4 Expression profile: mice cerebellum on high fat diet, oxidative stress, and aging

Speaker: Kokoro Ozaki

(Department of Neurology and Neurological Science, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University)

Pe-026-5 Effects of intraventricular insulin in "brain diabetes" rats on the hippocampus

Speaker: Shozo Kito

(Chigasaki Tokushu-kai Clinic)

## **Dementia Pathogenesis Others 17:00~18:30**

Chair: Hiroshi Hasegawa

(Shiga Medical Center for Adults)

Pe-027-1 Comprehensive phosphoproteome analysis in preclinical Alzheimer's disease brain

Speaker: Kazuhiko Tagawa

(Department of Neuropathology, Medical Research Institute and Center for Brain Integration Research, Tokyo Medical and Dental University)

Pe-027-2 ILEI ameliorates the pathophysiology in Alzheimer's disease

Speaker: Hiroshi Hasegawa

(Shiga Medical Center for Adults)

Pe-027-3 A search for novel interacting proteins to modulate synaptic BACE1 activity

Speaker: Masakazu Miyamoto

(Dept. Human Health Sci. Grad. Sch. Med. Kyoto Univ. / Dept. Neuro. Kyoto Univ. Grad. Sch. Med.)

Pe-027-4 Restoration of mitochondrial enzyme and BDNF by lycopene in Alzheimer's disease

Speaker: Atish Prakash

(Universiti Teknologi MARA (UiTM), Malaysia)



Pe-027-5 Increased GADD34 in APP transgenic mice

Speaker: Yasuyuki Honjo

(Department of Neurology, Nagaokakyo Hospital/Department of Pharmacoepidemiology, Graduate School of Medicine and Public Health, Kyoto University/Department of Neurology, Graduate School of Medicine, Kyoto University)

Pe-027-6 Pla2g3 is increased in Alzheimer disease cerebrum and causes reduction of IDE

Speaker: Yoichiro Nishida

(Department of Neurology and Neurological Science, Graduate School, Tokyo Medical and Dental University)

**Dementia Pathogenesis FTLT-tau 17:00~18:30**

Chair: Yumiko Motoi

(Dept. of Diagnosis, Prevention and Treatment of Dementia, Juntendo University School of Medicine)

Pe-028-1 Cerebral hypoperfusion causes tau hyperphosphorylation and axonal damage

Speaker: Youshi Fujita

(Fujita Neurological Hospital/University of Fukui, Second Department of Internal Medicine)

Pe-028-2 Influence of tau protein phosphorylation by HCNP precursor protein

Speaker: Masayuki Mizuno

(Department of Neurology and Neuroscience, Nagoya City University, Graduate School of Medical Sciences)

Pe-028-3 Raft-derived tau-associated vesicles are incorporated into immature tangles

Speaker: Tomokazu Nishikawa

(Department of Clinical Neuroscience and Therapeutics, Hiroshima University Graduate School of Biomedical and Health Sciences)

Pe-028-4 Neuroinflammation Associated with the Regional Difference of Tau Phosphorylation

Speaker: Yumiko Motoi

(Juntendo University, Graduate School of Medicine, Department of Diagnosis, Prevention and Treatment of Dementia/Juntendo University, Graduate School of Medicine, Department of Neurology/Juntendo University, Graduate School of Medicine, Spotology Center)

## **Dementia Pathogenesis FTL-D-FUS/TDP-43 17:00~18:30**

Chair: Masashi Aoki

(Department of Neurology, Tohoku University School of Medicine)

Pe-029-1 Striatum is systematically affected in TDP-43-related FTL-D; a pathological study

Speaker: Yuichi Riku

(Department of Neurology, Nagoya University)

Pe-029-2 Suppression of FUS induces the morphologic abnormalities of dendritic spines

Speaker: Satoshi Yokoi

(Department of Neurology, Nagoya University Graduate School of Medicine)

Pe-029-3 FUS regulates AMPA receptor function and FTL-D-associated behavior

Speaker: Daiyu Honda

(Department of Neurology, Nagoya University Graduate School of Medicine)

Pe-029-4 Neurodegeneration and microglial phenotypic switch in tau-tubulin kinase 1 mice

Speaker: Hirohide Asai

(Boston University School of Medicine)

## **Parkinson's disease Therapy 17:00~18:30**

Chair: Ryuji Sakakibara

(Neurology, Internal Medicine, Sakura Medical Center, Toho University)

Pe-030-1 How L-dopa affects gastrointestinal function in Parkinson's disease?

Speaker: Ryuji Sakakibara

(Neurology, Internal Medicine, Sakura Medical Center, Toho University)

Pe-030-2 Coenzyme Q10 in the prevention of progression of early Parkinson's Disease

Speaker: Ranhel C. De Roxas

(University of the Philippines-Philippine General Hospital, Philippine)

Pe-030-3 Change of non-motor symptoms and QOL by istradefylline in PD patients

Speaker: Noriko Kawashima

(Kawashima Neurology Clinic)

Pe-030-4 Gustatory rhinitis is increased in Parkinson's disease

Speaker: Osamu Kano

(Division of Neurology, Department of Internal Medicine, Toho University School of Medicine)

- Pe-030-5 Analysis of participant's drop-out in Huntington disease clinical trials  
 Speaker: Haruhiko Banno  
 (Department of Neurology, Nagoya University/PhD  
 Professional Office, Nagoya University/Neurological Clinical  
 Research Institute, Massachusetts General Hospital)

## **Parkinson's disease Clinical research (A) 17:00~18:30**

Chair: Hiroo Ichikawa  
 (Department of Neurology, Showa University Fujigaoka  
 Hospital)

- Pe-031-1 Prediction of Aspiration Pneumonia using Videofluoroscopy in Parkinson disease  
 Speaker: Satoshi Tomita  
 (Clinical Research Center, National Regional Center for  
 Neurological Disorders and Utano National Hospital)

- Pe-031-2 Case reports of drug-induced parkinsonism  
 Speaker: Nobuko Shiraiwa  
 (Dept.of Neurology, Tsukuba Memorial Hospital)

- Pe-031-3 The Association of Flunarizine and Risk for Parkinsonism  
 Speaker: Hsiu-li Lin  
 (Department of Neurology, Sijhih Cathay General Hospital,  
 Taiwan/Graduate Institute of Biomedical Informatics, Taipei  
 Medical University, Taiwan)

- Pe-031-4 Effect of dopaminergic drug on cognitive function in de novo Parkinson's disease  
 Speaker: Hidetomo Murakami  
 (Department of Neurology, School of Medicine, Showa  
 University)

- Pe-031-5 Neural Correlates of Impaired Working Memory in Parkinson Disease  
 Speaker: Takaaki Hattori  
 (Department of Rehabilitation Medicine, Sapporo Medical  
 University/National Institute of Neurological Disorders and  
 Stroke, National Institutes of Health/Department of  
 Neurology and Neurological Science, Tokyo Medical and  
 Dental University)

- Pe-031-6 The retrospective study of dementia with Lewy bodies undiagnosed by neurologists  
 Speaker: Yoshio Sakiyama  
 (Department of Neurology, Jichi Medical University, Saitama  
 Medical Center/Department of Neurology, Kitahara  
 International Hospital)

## Neuroscience Cell based assay 17:00~18:30

Chair: Hiroyuki Nodera

(Department of Neurology, Tokushima University Hospital)

Pe-032-1 Arsenic suppresses LXR beta and increases CETP expression in human hepatocyte

Speaker: Tain-junn Cheng

(Chi Mei Medical Center, Taiwan / Department of Occupational Safety and Disaster Prevention, College of Sustainable Environment, Chia Nan University of Pharmacy and Science, Taiwan)

Pe-032-2 IL-34 induces differentiation of microglia-like cell from hematopoietic cells

Speaker: Reiko Saika

(Department of Immunology, National Institute of Neuroscience, National Center of Neurology and Psychiatry)

Pe-032-3 Increased SOD1 by Lamotrigine Ameliorates Cell death in Status Epilepticus Mice

Speaker: Hyun Woo Kim

(Yonsei University College of Medicine, Korea)

Pe-032-4 Effect of maturation on sensory axonal excitability properties in normal mice

Speaker: Chimeglkham Banzrai

(Department of Neurology, Graduate School of Medicine, University of Tokushima)

## Neuroscience Animal models (A) 17:00~18:30

Chair: Masafumi Ihara

(Dept Stroke and Cerebrovascular Dis, National Cerebral and Cardiovascular Center)

Pe-033-1 Neuropathic pain and glial activation related to peripheral atopic diathesis

Speaker: Takayuki Fujii

(Department of Neurology, Neurological Institute, Graduate School of Medical Sciences, Kyushu University)

Pe-033-2 A Novel Mouse Model of Subcortical Infarcts with Dementia

Speaker: Yorito Hattori

(Department of Regenerative Medicine and Tissue Engineering, National Cerebral and Cardiovascular Center)

Pe-033-3 Cholinergic modulation of long-term potentiation in hippocampus of adult mice

Speaker: Toyohiro Sato

(Department of Neurology, Nagoya City University)

Pe-033-4 The anti-oxidative and neuroprotective effects of neurosteroids after SE in mice  
Speaker: In Ja Cho  
(Department of Neurology, Yonsei University College of Medicine, Korea)

## Neuroscience Animal models (B) 17:00~18:30

Chair: Masaki Sakurai  
(Department of Physiology & Neuroscience, Teikyo University School of Medicine)

Pe-034-1 Phasic dopamine release in multiple locations in the monkey striatum  
Speaker: Kenji Yoshimi  
(Dept. Neurophysiology, Juntendo Univ.)

Pe-034-2 Toluene, Hippocampus Structure and Recognition Memory: adult and adolescent rats  
Speaker: Nino O. Pochkhidze  
(Beritashvili Center of Experimental Biomedicine, Tbilisi, Georgia/Ilia State University, Tbilisi, Georgia)

Pe-034-3 Long survival of Spinal motoneuron in slice culture system  
Speaker: Takae Ohno  
(Dept. Physiol. Teikyo Univ. Sch. Med.)

Pe-034-4 Optogenetic dopaminergic stimulation in mice  
Speaker: Takayuki Jo  
(Department of Neurology Juntendo University, School of Medicine)

## Motor neuron disease Clinical research 17:00~18:30

Chair: Kiyohito Okumiya  
(Center for Southeast Asian Studies, Kyoto University/Research Institute for Humanity and Nature)

★ Pe-035-1 Risk of Amyotrophic Lateral Sclerosis in Patients with Diabetes  
Speaker: Chung-yi C. Li  
(National Cheng Kung University, Tainan, Taiwan)

Pe-035-2 Morphine usage in ALS patients on NPPV does not make life prognosis worse  
Speaker: Naomi Tominaga  
(Kitasato University Department of Neurology)

Pe-035-3 Cortical thickness and frontal dysfunction in amyotrophic lateral sclerosis

Speaker: Tatsuhiro Terada

(Department of Neurology, Shizuoka Institute of Epilepsy and Neurological Disorders / Department of Biofunctional Imaging, Medical Photonics Research Centre, Hamamatsu University School of Medicine)

Pe-035-4 Clinical data base of Kii ALS/PDC, Japan

Speaker: Yasumasa Kokubo

(Kii ALS/PDC Research Center, Mie University, Graduate School of Regional Innovation Studies)

Pe-035-5 Follow-up study for neurodegenerative diseases in Papua, Indonesia

Speaker: Kiyohito Okumiya

(Center for Southeast Asian Studies, Kyoto University / Research Institute for Humanity and Nature)

### **Motor neuron disease Biomarker 17:00~18:30**

Chair: Daigo Miyazaki

(Department of Medicine (Neurology and Rheumatology), Shinshu University School of Medicine)

Pe-036-1 Identification of plasma miRNA as ALS biomaker

Speaker: Ikuko Takahashi

(Department of Neurology, Hokkaido University Graduate School of Medicine)

Pe-036-2 Elevation of serum Heat-Shock Protein (HSP) 70 and 90 in patients with ALS

Speaker: Daigo Miyazaki

(Department of Medicine (Neurology and Rheumatology), Shinshu University School of Medicine)

Pe-036-3 Asymmetric dimethyl arginine in CSF is a potential marker for ALS

Speaker: Kensuke Ikenaka

(Department of Neurology, Nagoya University Graduate School of Medicine)

Pe-036-4 Measurement of TDP43 in peripheral blood cell of ALS

Speaker: Miki Hishizawa

(Department of Neurology, Graduate School of Medicine, Kyoto University)

- Pe-036-5 Impaired muscular creatine metabolism in spinal and bulbar muscular atrophy  
Speaker: Yasuhiro Hijikata  
(Department of Neurology, Nagoya University Graduate School of Medicine)

## **Motor neuron disease Molecular pathogenesis (A)**

**17:00~18:30**

Chair: Shintaro Hayashi

(Department of Neurology, Neurological Institute, Graduate School of Medical Sciences, Kyushu University)

- Pe-037-1 Impact of microglial morphologies on spinal motor neuron degeneration in ALS

Speaker: Shintaro Hayashi

(Department of neurology, Neurological Institute, Graduate School of Medical Sciences, Kyushu University)

- Pe-037-2 Molecular Network Analysis Suggests a Pathological Role of C9orf72 in ALS/FTD

Speaker: Jun-ichi Satoh

(Dept. Bioinformatics, Meiji Pharm. Univ.)

- Pe-037-3 Progressive neurodegeneration in motor neuron-specific dynactin-1 knockout mice

Speaker: Kaori Kawai

(Department of Neurology, Nagoya University Graduate School of Medicine)

- Pe-037-4 Labeling of corticomotoneuronal cells by intramuscular injection of viral tracer

Speaker: Noriko Isoo

(Dept. of Physiol., Teikyo Univ., Sch. of Med.)

- Pe-037-5 Implications for lysophosphatidylcholine in amyotrophic lateral sclerosis

Speaker: Noriyuki Shibata

(Department of Pathology, Tokyo Women's Medical University)

## **Motor neuron disease Molecular pathogenesis (B)**

**17:00~18:30**

Chair: Hitoshi Warita

(Department of Neurology, Tohoku University Graduate School of Medicine)

- Pe-038-1 Chondroitin sulfate proteoglycan receptors in an ALS rat model

Speaker: Tomomi Shijo

(Department of Neurology, Tohoku University Graduate School of Medicine)

- Pe-038-2 Microarray analysis in Motor Neuron-Specific 26S Proteasome Conditional KO mice  
 Speaker: Tomonori Hoshino  
 (Department of Neurology, Graduate School of Medicine, Kyoto University)
- Pe-038-3 ZO-1 as a scaffolding protein of gap junction is impaired in ALS model mice  
 Speaker: Yuko Kobayakawa  
 (Kyushu University Graduate School of Medicine, Department Neurology, Neurological Institute)
- Pe-038-4 Therapeutic Hypothermia in a Mouse Model of Spinal Muscular Atrophy  
 Speaker: Li-kai Tsai  
 (Department of Neurology, National Taiwan University Hospital)
- Pe-038-5 Inhibition of TGF-beta signaling induces cell-specific neurodegeneration  
 Speaker: Masahisa Katsuno  
 (Department of Neurology, Nagoya University Graduate School of Medicine)

## Motor neuron disease Molecular pathogenesis (C)

17:00~18:30

Chair: Koji Yamanaka

(Research Institute of Environmental Medicine, Nagoya University)

- Pe-039-1 The effects of pioglitazone on spinal and bulbar muscular atrophy  
 Speaker: Madoka Iida  
 (Nagoya University Neurology Department)
- Pe-039-2 Epigenetic treatment of polyglutamine-induced motor neuron disease  
 Speaker: Naohide Kondo  
 (Nagoya University Graduate School of Medicine, Department of Neurology)
- Pe-039-3 Expression and role of TFEB in spinal and bulbar muscular atrophy  
 Speaker: Genki Tohnai  
 (Department of Neurology, Nagoya University Graduate School of Medicine)



Pe-039-4 Applying a droplet digital PCR for analysis of SMN gene copy number states

Speaker: Tomohiko Ishihara

(Department of Neurology, Brain Research Institute, Niigata University/Department of Molecular Neuroscience, Center for Bioresource-based Research, Brain Research Institute, Niigata University)

Pe-039-5 Quantitative mRNA analysis from formalin-fixed human spinal motor neuron

Speaker: Gaku Ito

(Department of Neurology, Brain Research Institute, Niigata University)

Pe-039-6 p150glued-Associated Disorders Are Caused by Intrinsic Apoptotic Pathway

Speaker: Kei-ichi Ishikawa

(Department of Neurology, Juntendo University School of Medicine/Center for Genomic and Regenerative Medicine, Juntendo University School of Medicine)

## Motor neuron disease iPS 17:00~18:30

Chair: Manabu Doyu

(Department of Neurology, Aichi Medical University School of Medicine)

Pe-040-1 Library screening to identify compounds that promote MNs generation from iPSCs

Speaker: Kazuya Goto

(Department of neurology, Kyoto University/Laboratory of Stem Cell Medicine, Department of Cell Growth and Differentiation, Center for iPS Cell Research and Application (CiRA), Kyoto University)

Pe-040-2 Genetic correction of mutant TDP-43 iPSCs

Speaker: Itaru Tsuge

(Center for iPS Cell Research and Application (CiRA), Kyoto University/Department of Plastic and Reconstructive Surgery, Kyoto University Graduate School of Medicine)

Pe-040-3 Modeling ALS motor neurons using patient iPSCs with mutant TFG

Speaker: Nagahisa Murakami

(Center for iPS Cell Research and Application (CiRA), Kyoto University/Graduate School of Medicine, Tokushima University)

- Pe-040-4 An approach for understanding the pathogenesis of SBMA by disease specific iPSCs  
 Speaker: Kazunari Onodera  
 (Department of Neurology, Aichi Medical University/  
 Department of Neurology, Nagoya University Graduate School  
 of Medicine)
- Pe-040-5 Specific phenotypes of motor neurons derived from SMA patients  
 Speaker: Naohiro Egawa  
 (Center for iPS Cell Research and Application (CiRA), Kyoto  
 University/JST CREST, Japan Science and Technology  
 Agency)

### **Motor neuron disease TDP-43 (A) 17:00~18:30**

Chair: Mari Tada

(Department of Pathology, Brain Research Institute, Niigata  
 University)

- Pe-041-1 Propagation of TDP-43 and pTDP-43 in non-human primate model of ALS  
 Speaker: Takuya Ohkubo  
 (Department of Neurology and Neurological Science, Graduate  
 School of Medicine, Tokyo Medical and Dental University)
- Pe-041-2 Endogenous TDP-43 overexpression model with disrupted autoregulation  
 Speaker: Akihiro Sugai  
 (Department of Neurology, Brain Research Institute, Niigata  
 University)
- Pe-041-3 Extreme N-terminus regulates TDP-43 aggregation and toxicity in mouse brain  
 Speaker: Hiroki Sasaguri  
 (Nakano General Hospital/Mayo Clinic)
- Pe-041-4 pTDP-43 staging of amyotrophic lateral sclerosis, a critical review  
 Speaker: Akiko Uchino  
 (Department of Neuropathology (Brain Bank for Aging  
 Research), Tokyo Metropolitan Geriatric Hospital & Institute  
 of Gerontology/Department of Neurology, Kitasato University  
 School of Medicine)
- Pe-041-5 Relationship between the degree of the pTDP-43 NCIs and disease duration in ALS  
 Speaker: Terunori Sano  
 (Department of Pathology and Laboratory medicine, National  
 Center Hospital, National Center of Neurology and Psychiatry)

## Motor neuron disease TDP-43 (B) 17:00~18:30

Chair: Seiichi Nagano

(Department of Peripheral Nervous System Research, National  
Institute of Neuroscience, National Center of Neurology and  
Psychiatry)

Pe-042-1 Analysis of sporadic amyotrophic lateral sclerosis detects a novel VCP mutation

Speaker: Makito Hirano

(Department of Neurology, Sakai Hospital Kinki University  
Faculty of Medicine/Department of Neurology, Kinki  
University Faculty of Medicine)

Pe-042-2 Adenovirus-induced neuronal TDP-43 aggregates demonstrated by time-lapse imaging

Speaker: Kazuhiko Watabe

(Lab. for Neurodegenerative Pathology, Tokyo Metropol. Inst.  
Med. Sci.)

Pe-042-3 Selective uptake of C-terminal fragments of TDP-43 into exosome

Speaker: Keisuke Abe

(Department of Neurology and Neurological Science, Graduate  
school of Medicine, Tokyo Medical and Dental University)

Pe-042-4 TDP-43 transports mRNA of ribosomal proteins

Speaker: Seiichi Nagano

(Department of Peripheral Nervous System Research, National  
Institute of Neuroscience, National Center of Neurology and  
Psychiatry)

Pe-042-5 Identification of genes modulating TDP-43 by Drosophila ALS model

Speaker: Yumiko Azuma

(Department of Neurology, Kyoto Prefectural University of  
Medicine/Kyoto Ohara Memorial Hospital)

## Motor neuron disease Pathology 17:00~18:30

Chair: Yukio Fujita

(Department of Neurology, Gunma University Graduate School  
of Medicine)

Pe-043-1 ELP3 shows different immunoreaction between motor and non-motor neurons in ALS

Speaker: Yukio Fujita

(Department of Neurology, Gunma University Graduate School  
of Medicine)

- Pe-043-2 Immunohistochemical analysis of T-cell infiltration in sporadic ALS  
 Speaker: Chihiro Matsumoto  
 (Department of Neurology, National Center Hospital, National Center of Neurology and Psychiatry)
- Pe-043-3 OPTN immunoreactivity in neuronal and glial intranuclear inclusions in NIID  
 Speaker: Masataka Nakamura  
 (Kansai Medical University Department of Neurology/Mayo Clinic Jacksonville Department of Neuropathology)
- Pe-043-4 Phosphorylated TDP-43 in the PDC and ALS of Guam: Comparison with FTLTDP  
 Speaker: Tomoyo Hashimoto  
 (Department of Neurology, University of Occupational and Environmental Health/Department of Brain Disease Research, Shinshu University School of Medicine)
- Pe-043-5 Respiratory support influences on microvascular disturbance in ALS  
 Speaker: Misaki Yamadera  
 (Department of Neurology, National Hospital Organization Toneyama Hospital)

## Pathology 17:00~18:30

Chair: Yuko Saito

(Department of Pathology and Laboratory Medicine, National Center Hospital, National Center of Neurology and Psychiatry)

- Pe-044-1 Mitochondrial encephalomyopathy mimicking herpes simple encephalitis (3 cases)  
 Speaker: Yu Tang  
 (Capital Medical University, Beijing, China)
- Pe-044-2 Inflammatory cells and iron accumulation in the brain of the Zitter rat  
 Speaker: Taro Kadowaki  
 (Department of Neurology, Dokkyo Medical University)
- Pe-044-3 Association Between Seizure, Tumor Size, Location and Histopathological Results  
 Speaker: Lucyle Teresita D. Abrasia  
 (University of Santo Tomas Hospital)
- Pe-044-4 Tau pathology in the brains in cases of myotonic dystrophy  
 Speaker: Ayako Shioya  
 (Department of Pathology and Laboratory Medicine, National Center Hospital, National Center of Neurology and Psychiatry /Department of Neurology, Faculty of Medicine, University of Tsukuba)

- Pe-044-5 Neuroradiology- based skin biopsy of intranuclear hyaline inclusion body disease  
Speaker: Yuta Nakano  
(Department of Neuropathology and Brain Bank for Aging Research, Tokyo Metropolitan Geriatric Hospital & Institute of Gerontology)

## **Ataxias Pathogenesis 17:00~18:30**

Chair: Hiroaki Adachi

(Department of Neurology, University of Occupational and Environmental Health School of Medicine)

- Pe-045-1 Molecular properties of TMEM240, a causative protein of SCA21  
Speaker: Takahiro Seki  
(Department of Chemico-Pharmacological Sciences, Graduate School of Pharmaceutical Sciences, Kumamoto University)

- Pe-045-2 HMGB1 gene therapy ameliorates phenotype of mutant ataxin-1 knock-in mice  
Speaker: Kyota Fujita  
(Department of Neuropathology, Medical Research Institute, Tokyo Medical and Dental University)

- Pe-045-3 Analysis of gene expressions in spinocerebellar ataxia (SCA) 31  
Speaker: Kazumasa Soga  
(Department of Neurology and Neurological Science, Graduate school, Tokyo Medical and Dental University)

- ★ Pe-045-4 17-AAG Induces Degradation of Mutant Ataxin-1 in a Cellular Model of SCA1  
Speaker: Ying Ding  
(Department of Neurology, Nagoya University Graduate School of Medicine)

- Pe-045-5 The enhancement of protein degradation via autophagy in neurodegeneration  
Speaker: Hiroaki Adachi  
(Department of Neurology, University of Occupational and Environmental Health School of Medicine)

- Pe-045-6 Analysis of TPPP function in mitochondria using cultured HeLa cell  
Speaker: Kiyobumi Ota  
(Department of Neurology, JA Toride General Hospital/  
Department of Neurology and Neurological Science, Graduate School, Tokyo Medical and Dental University)

## Multiple sclerosis Pathogenesis (A) 17:00~18:30

Chair: Shin Hisahara

(Department of Neurology, Sapporo Medical University)

Pe-046-1 Expression of deacetylase SIRT6 in human oligodendrocytic cell line MO3.13

Speaker: Shin Hisahara

(Dept. Neurol., Sapporo Medical University)

Pe-046-2 Functional analysis of Notch4 in mouse experimental autoimmune encephalomyelitis

Speaker: Guangrui Li

(Department of Neurology, Neurological Institute, Graduate school of Medical Sciences, Kyushu University)

Pe-046-3 The active form of vitamin D modifies the blood-brain barrier properties

Speaker: Shiori Takahashi

(Department of Neurology and Clinical Neuroscience, Yamaguchi University Graduate School of Medicine)

Pe-046-4 Eomes is genetically associated with and down-regulated in multiple sclerosis

Speaker: Jing-cong Zhuang

(Department of Neurology and Institute of Neurology, Second Affiliated Hospital, School of Medicine, Zhejiang University, Hangzhou, China/Department of Neurology and Institute of Neurology, First Affiliated Hospital, Fujian Medical University, Fuzhou, China/Department of Neurology and Institute of Neurology, Huashan Hospital, Shanghai Medical College, Fudan University, Shanghai, China/Department of Neurology, Neurological Institute, Graduate School of Medical Sciences, Kyushu University)

## Epilepsy Stroke 17:00~18:30

Chair: Kei-ichiro Takase

(Department of Neurology, Iizuka Hospital)

Pe-047-1 Is NSAIDs Usage a Protective or Risk Factor of Post-stroke Epilepsy?

Speaker: Li-kai Huang

(Taipei Medical University, Taiwan)

Pe-047-2 A Rare Entity: Bilateral Anterior Shoulder Dislocation in Tonic Seizure

Speaker: Kang Chen Hsu

(Department of Neurology, National Taiwan University Hospital)

Pe-047-3 Status Epilepticus Caused by Bilateral Thalamic Stroke: A Case Report

Speaker: Sheng Feng Lin

(Department of Neurology, Wan Fang Hospital, Taipei Medical University, Taipei, Taiwan)

Pe-047-4 A study of symptomatic epileptic seizure related to ischemic stroke

Speaker: Keiichiro Takase

(Department of Neurology, Iizuka Hospital)

## **Epilepsy EEG etc. 17:00~18:30**

Chair: Kazutaka Jin

(Department of Epileptology, Tohoku University Graduate School of Medicine)

Pe-048-1 Importance of very low frequency EEG to evaluate VNS therapy of epilepsy

Speaker: Borgil Bayasgalan

(Department of Neurology, Kyoto University Graduate School of Medicine)

Pe-048-2 Clinical analysis of 6 cases with characteristic EEG finding related to cefepime

Speaker: Masanori Kurihara

(Department of Neurology, University of Tokyo)

Pe-048-3 Long-term Video EEG Monitoring Analysis in Senile Onset Epilepsy

Speaker: Yu Kitazawa

(Department of Epileptology, Tohoku University Graduate School of Medicine/Department of Neurology and Stroke Medicine, Yokohama City University Graduate School of Medicine)

Pe-048-4 Vitamin D Levels among Filipino Children with Epilepsy

Speaker: Cheryl Anne P. Lubaton-sacro

(University of the Philippines Philippine General Hospital/Department of Pediatrics and Department of Neurosciences)

## **Epilepsy Clinical research 17:00~18:30**

Chair: Takefumi Hitomi

(Department of Clinical Laboratory Medicine, Kyoto University Graduate School of Medicine)

Pe-049-1 A severe case with Benign Adult Familial Myoclonus Epilepsy

Speaker: Takefumi Hitomi

(Department of Clinical Laboratory Medicine, Kyoto University Hospital)

- Pe-049-2 Long-term clinico-electrophysiological correlates in Unverricht-Lundborg disease  
 Speaker: Katsuya Kobayashi  
 (Department of Neurology, Kyoto University Graduate School of Medicine)
- Pe-049-3 A long-term follow-up of 3 ADLTE families after genetic diagnosis  
 Speaker: Naohiro Fumoto  
 (Department of Neurology, Minami-Okayama Medical Center /  
 Department of Neurology, Kyoto University Graduate School of Medicine)
- Pe-049-4 Olfactory dysfunction in mesial temporal lobe epilepsy patients  
 Speaker: Tomoko Toyota  
 (Department of Neurology, University of Occupational and Environmental Health School of Medicine)
- Pe-049-5 Long-term outcome of smoldering autoimmune encephalitis  
 Speaker: Riki Matsumoto  
 (Dept. Epilepsy, Movement Disorders and Physiology, Kyoto University Graduate School of Medicine)

## **Epilepsy Therapy 17:00~18:30**

Chair: Kiyohito Terada

(NHO, Shizuoka Institute of Epilepsy and Neurological Disorders)

- Pe-050-1 Comparative Effectiveness of Antiepileptic Drugs in Adult Patients with Epilepsy  
 Speaker: Cheng-yang Hsieh  
 (Department of Neurology, Tainan Sin Lau Hospital, Tainan, Taiwan)
- Pe-050-2 Effect of counseling on anti-epileptic drug adherence in Penang, Malaysia  
 Speaker: Kenny Tan  
 (Department of Neurology, Penang Hospital, Penang, Malaysia)
- Pe-050-3 PIRACETAM FOR CORTICAL MYOCLONUS: A META-ANALYSIS OF RANDOMIZED CONTROL TRIALS  
 Speaker: April Ariane R. Sanchez  
 (The Medical City)
- Pe-050-4 Anti-epileptic Drugs on Control of Late-Onset Post-stroke Epilepsy in Taiwan  
 Speaker: Yao-hsien Huang  
 (Department of Neurology, Taipei Medical University-Shuan-Ho Hospital, Taiwan)



Pe-050-5 Postoperative improvement of attention in temporal lobe epilepsy patients

Speaker: Keiko Usui

(National Epilepsy Center, Shizuoka Institute of Epilepsy and  
Neurological Disorders)