Monday, September 24, 2018
Keio Plaza Hotel Tokyo

Hall (Eminence Hall, 5F) 8:50-9:00
Opening Ceremony
Opening Remark
ICN2018 President: Hitoshi Takahashi (Niigata University)

Hall (Eminence Hall, 5F) 9:00-10:00
Plenary 1
Deciphering Tau Neuropathology
Chair: Masaki Takao (International Medical Center, Saitama Medical University)

PL1  Deciphering Tau Neuropathology: From Silver Stain Toward a Near-atomic Resolution
Bernardino Ghetti (Indiana University Purdue University Indianapolis, Indiana University School of Medicine, Department of Pathology and Laboratory Medicine)

Hall (Eminence Hall, 5F) 10:10-11:10
Plenary 2  Sponsored by BNS
Structures of tau filaments from Alzheimer’s and Pick’s disease brains
Chair: Masato Hasegawa (Dementia Research Project, Tokyo Metropolitan Institute of Medical Science)

PL2  Structures of tau filaments from Alzheimer’s and Pick’s disease brains
Michel Goedert (MRC Laboratory of Molecular Biology)

Hall (Eminence Hall, 5F) 11:20-11:50
Plenary 3
Dynamic, Molecular and Epidemiological Neuropathology
Chair: Suely Kazue Nagahashi Marie (Universidade de São Paulo (USP), Faculdade de Medicina (FM))

PL3  Future of the Japanese Society of Neuropathology
Shigeo Murayama (President, the Japanese Society of Neuropathology)
19th International Congress of Neuropathology (ICN2018)

Room 1 (Nishiki, 4F) 12:00-13:00

Luncheon Seminar 1

Sponsored by Novartis Pharma K.K. Medical Division

Neurodegenerative disease ~ from micro and macro point of view ~

Chair: Takashi Kanda (Department of Neurology and Clinical Neuroscience, Yamaguchi University Graduate School of Medicine)

LS1-1  Novel Hippo pathway-dependent necrosis, TRIAD and Huntington's disease
Hitoshi Okazawa (Department of Neuropathology, Medical Research Institute / Center for Brain Integration Research, Tokyo Medical and Dental University)

LS1-2  q-Space Myelin Map: A clinically feasible novel MRI modality for the visualization of myelin in the CNS
Jin Nakahara (Department of Neurology, Keio University School of Medicine)

Room 1 (Nishiki, 4F) 13:10-14:50

Symposium 1

Microglia and Synapses

Chairs: Manuel B. Graeber (Brain and Mind Centre, University of Sydney)
Atsushi Sasaki (Department of Pathology, Saitama Medical University Faculty of Medicine)

S1-1  Changing concept of microglia: microgliopathies
Atsushi Sasaki (Department of Pathology, Saitama Medical University)

S1-2  Physiological Implications of microglia-synapse interactions
Hiroaki Wake (Division of System Neuroscience, Kobe University Graduate School of Medicine)

S1-3  Single-cell profiling of the myeloid cell compartment identifies new cell populations with distinct fates during neuroinflammation
Marco Prinz (Institute of Neuropathology, University of Freiburg)

S1-4  Microgliosis and neuronal degeneration in senescence-accelerated mice
Atsuyoshi Shimada (Kyorin University Faculty of Health Sciences)

S1-5  Neuroinflammation and the control of microglia behavior
Manuel B. Graeber (Brain and Mind Centre, University of Sydney)

Room 1 (Nishiki, 4F) 15:30-17:00

Symposium 4

Muscle Disease

Chairs: Ichizo Nishino (Department of Neuromuscular Research, National Center of Neurology and Psychiatry(NCNP))
Kurenai Tanji (Neuromuscular Pathology Laboratory, Department of Pathology & Cell Biology, Columbia University)

S4-1  Muscle pathology in the era of NGS
Ichizo Nishino (Department of Neuromuscular Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry(NCNP))

S4-2  The road less traveled: the evolving role of morphological assessment in the era of precision medicine - through a window of mitochondrial myopathy
Kurenai Tanji (Department of Pathology & Cell Biology, Columbia University)

S4-3  Muscle pathological changes of cancer associated myositis
Jun Shimizu (Department of Neurology, Graduate School of Medicine, The University of Tokyo)
Room 1 (Nishiki, 4F) 17:00-18:00

Evening Seminar 1  
Teaching Course

Chairs: Hiroyuki Ishiura (Department of Neurology, Graduate School of Medicine, The University of Tokyo)  
Kohji Mori (Department of Psychiatry, Osaka University Graduate School of Medicine)

ES1-1 Pentanucleotide repeat expansions in benign adult familial myoclonic epilepsy (BAFME)  
Hiroyuki Ishiura (Department of Neurology, The University of Tokyo)

ES1-2 A modifier of the unconventional aggregate pathologies in C9orf72-FTLD/ALS  
Kohji Mori (Department of Psychiatry, Osaka University Graduate School of Medicine)
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<tr>
<td>12:00-13:00</td>
<td>Luncheon Seminar 2 Sponsored by FUJIFILM RI Pharma Co., Ltd.</td>
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<td>Chair: Tetsuaki Arai (Department of Neuropsychiatry, Division of Clinical Medicine, Faculty of Medicine, University of Tsukuba)</td>
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<tr>
<td>LS2</td>
<td>Neuropathological Evaluation of Dementia Diseases by Nuclear Medicine</td>
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<td>Kenji Ishii (Neuroimaging Research, Tokyo Metropolitan Institute of Gerontology)</td>
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<td>13:10-14:40</td>
<td>Symposium 2</td>
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<tr>
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<td>Neuropathology of SCA: role of lysosome and autophagy in cerebellar ataxias</td>
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<td>Chairs: Kinya Ishikawa (The Center for Personalized Medicine for Healthy Aging, Tokyo Medical and Dental University) Andrew Lieberman (University of Michigan Medical School)</td>
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<tr>
<td>S2-1</td>
<td>Calcium channel protein aggregations and role of lysozomes in SCA6</td>
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<td>Kinya Ishikawa (The Center for Personalized Medicine for Healthy Aging, Tokyo Medical and Dental University)</td>
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<tr>
<td>S2-2</td>
<td>Autophagic function and dysfunction in Niemann-Pick type C neuropathology</td>
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<td>Andrew Lieberman (Department of Pathology, University of Michigan)</td>
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<td>S2-3</td>
<td>The effect of impairment of autophagy versus lysosomal proteostasis on the survival of Purkinje cells</td>
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<td>Masato Koike (Department of Cell Biology and Neuroscience, Juntendo University Graduate School of Medicine)</td>
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<td>15:30-17:00</td>
<td>Symposium 5</td>
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<td>Vascular Disorders</td>
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<td>Chairs: Masafumi Ihara (Department of Neurology, National Cerebral and Cardiovascular Center) Raj Kalaria (Institute of Neuroscience, Newcastle University)</td>
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<tr>
<td>S5-1</td>
<td>Interaction between cerebrovascular disease and Alzheimer pathology</td>
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<td>Masafumi Ihara (Department of Neurology, National Cerebral and Cardiovascular Center)</td>
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<td>S5-2</td>
<td>The Gliovascular Unit in White Matter Disease associated with Post-Stroke and Vascular Dementias</td>
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<td>Raj Kalaria (Institute of Neuroscience, Newcastle University)</td>
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<td>S5-3</td>
<td>Role of small vessel disease in the boundaries of large vessel disease and Alzheimer disease</td>
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<td>Hidekazu Tomimoto (Department of Neurology, Mie University Graduate School of Medicine)</td>
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<td>S5-4</td>
<td>Exploring the pathologic targets in a white matter ischemic stroke model based on somatotopic mapping of the pyramidal tract</td>
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<td>Min-Cheol Lee (Department of Pathology, Chonnam National University Medical School / Department of Biomedical Science and Engineering, Gwangju Institute of Science and Technology)</td>
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Room 3 (Hana D, 4F)  12:00-13:00
Luncheon Seminar 3  Sponsored by AbbVie GK
Chair: Nobutaka Hattori (Department of Neurology, Juntendo University Graduate School of Medicine)

LS3  Pathology of Parkinson's Disease update
Glenda Halliday (The University of Sydney Central Clinical School | Brain and Mind Centre, NHMRC Senior Principal Research Fellow)

Room 3 (Hana D, 4F)  13:10-14:10
Oral 1
Vascular disease & trauma

Chairs: Masaki Ueno (Inflammation Pathology, School of Medicine (Basic), Kagawa University)
Daniel Perl (Center for Neuroscience and Regenerative Medicine's Brain Tissue Repository)
Kenji Sakai (Kanazawa University Graduate School of Medical Science)

O1-1  Cerebral amyloid angiopathy initially occurs in the meningeal vessels
Shigeki Takeda (Department of Pathology, Niigata Neurosurgical Hospital)

O1-2  Iatrogenic Embolization Causing Stroke Following Cardiac Intervention
John Maguire (Dept. of Pathology and Laboratory Medicine, Vancouver General Hospital)

O1-3  Slow compression brain injury: clinical case and animal model
Toshihiko Kuroiwa (Department of Pathology, Tsuchiura Kyodo General Hospital Namegata District Medical Center)

O1-4  Chronic traumatic encephalopathy: The role of gliovascular pathology
Marc Harris Goldfinger (Division of Brain Sciences, Imperial College London)

O1-5  The neurodegeneration in old single episode head injury is not caused by Alzheimer pathology
Safa Al-Sarraj (Department of Clinical Neuropathology, Kings College Hospital / Brain Bank, The Institute of Psychiatry, Psychology and Neurosciences, Kings College London)

O1-6  Sequential evaluation of pathological changes following spinal cord injury in a canine model
Yuya Nakamoto (Department of Regeneration Science and Engineering Institute for Frontier Life and Medical Sciences, Kyoto University / Kyoto Animal Referral Medical Center)

Room 3 (Hana D, 4F)  14:10-14:30
Oral 2
Molecular pathology and bioinformatics

Chairs: Francia Victoria Abcar De Los Reyes (Pathology Laboratory, University of the East Ramon Magsaysay Memorial Medical Center)
Kenta Masui (Pathology 1, Tokyo Women's Medical University)

O2-1  Novel control mechanism of H3K27me3 by mTOR complexes
Mio Harachi (Pathology 1, Tokyo Women's Medical University)

O2-2  Comparison of the Gene Expression in Gliosarcoma versus Glioblastoma and Other Astrocytoma Variants
Francia Victoria Abcar De Los Reyes (Pathology Laboratory, University of the East Ramon Magsaysay Memorial Medical Center)
### Oral 3

**Molecular neurodegeneration**

**Chairs:** Noriyuki Shibata (Department of Pathology, Faculty of Medicine, Tokyo Women's Medical University)  
Manuel Melo Pires (Institute of Biomedical Sciences Abel Salazar, University of Porto)

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<tr>
<th>Paper</th>
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<tr>
<td><strong>O3-1</strong></td>
<td><strong>Expression of GPR17, a negative regulator of oligodendrocyte differentiation and maturation, in Nasu-Hakola disease brains</strong></td>
<td>Jun-ichi Satoh (Department of Bioinformatics and Molecular Neuropathology, Meiji Pharmaceutical University)</td>
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<td><strong>O3-2</strong></td>
<td><strong>Neuropathology of SOD1-linked familial ALS with marked intrafamilial phenotypic variation</strong></td>
<td>Shinji Ohara (Department of Neurology, Matsumoto Medical Center)</td>
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<td><strong>O3-3</strong></td>
<td><strong>Excessive soluble iron stimulates microglia to release glutamate in ALS spinal cords</strong></td>
<td>Noriyuki Shibata (Department of Pathology, Faculty of Medicine, Tokyo Women's Medical University)</td>
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### Oral 4

**Basic neuropathology**

**Chairs:** Kyoko Itoh (Kyoto Prefectural University of Medicine)  
Shinsuke Kato (Division of Neuropathology, Tottori University Faculty of Medicine)

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<tr>
<th>Paper</th>
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<tr>
<td><strong>O4-1</strong></td>
<td><strong>Stereoscopic inspection of autopsied brain reconstructed from two-dimensional images</strong></td>
<td>Hiroshi Shintaku (Laboratory of Structural Neuropathology, Tokyo Metropolitan Institute of Medical Science / Neuromorphometrics, Nitobe-Memorial Nakano General Hospital / Dept. of neurology and neurological science, Tokyo Medical and Dental University)</td>
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<td><strong>O4-2</strong></td>
<td><strong>Hippocampal adult neurogenesis is perturbed in microcephaly model mice with aging</strong></td>
<td>Hisashi Takahashi (Department of Pathology and Applied Neurobiology, Kyoto Prefectural University of Medicine)</td>
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<td><strong>O4-3</strong></td>
<td><strong>Presumptive function of microcephaly related gene Aspm during murine brain development</strong></td>
<td>Madoka Tonosaki (Department of Pathology and Applied Neurobiology, Kyoto Prefectural University of Medicine)</td>
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<td><strong>O4-4</strong></td>
<td><strong>Epoch-making therapy that delays ALS progression in G1H-G93A ALS mice: oral administration of non-purine-analogue xanthine oxidoreductase inhibitors (XORIs)</strong></td>
<td>Shinsuke Kato (Division of Neuropathology, Tottori University Faculty of Medicine)</td>
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### Oral 5

**Pediatric disease & Epilepsy**

**Chairs:** Masashi Mizuguchi (School of International Health, Graduate School of Medicine, The University of Tokyo)  
Yao-Feng Li (UCL Great Ormond Street Institute of Child Health)  
Hiroshi Shimizu (Brain Research Institute, Niigata University)

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<tr>
<td><strong>O5-1</strong></td>
<td><strong>Spectrum of central nervous system tumors in infants according to 2016 WHO Classification from a tertiary care centre in India</strong></td>
<td>Kavneet Kaur (All India Institute of Medical Sciences (AIIMS), New Delhi)</td>
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<td><strong>O5-2</strong></td>
<td><strong>Unusually high frequency of dual/double pathology in neurocysticercosis causing drug resistant epilepsy in India. Chance association or causal?</strong></td>
<td>Radhika Kailas Mhatre (Department of Neuropathology, NIMHANS)</td>
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O5-3  Using models of cell-cell interactions in the focal cortical dysplasia (FCD) to unravel the cellular diversity in developmental cortical lesions
Yao-Feng Li (UCL Great Ormond Street Institute of Child Health)

O5-4  Galactosialidosis: clinicopathological features of four autopsied patients
Hiroshi Shimizu (Brain Research Institute, Niigata University)
Symposium 3
ASNP Session 1 (Brain Tumor 1)

Chairs: Vani Santosh (Department of Neuropathology, National Institute of Mental Health & Neuro Sciences (NIMHANS))
        Ho-Keung Ng (Department of Anatomical and Cellular Pathology, Chinese University of Hong Kong)

S3-1 Radiation Induced Secondary Glioblastomas in patients with medulloblastomas showed alteration of the PDGFRA and TP53 in whole exome sequencing
Sung-Hye Park (Department of Pathology, Seoul National University Hospital, Seoul National University College of Medicine)

S3-2 Astroblastoma is pathologically and genetically distinct from other mimics
Takanori Hirose (Department of Pathology for Regional Communication, Kobe University Graduate School of Medicine / Department of Diagnostic Pathology, Hyogo Cancer Center)

S3-3 CNS Embryonal Tumors beyond the WHO 2016 Classification
Vani Santosh (Department of Neuropathology, National Institute of Mental Health & Neuro Sciences (NIMHANS))

S3-4 Are IDH wt diffuse astrocytomas glioblastomas in disguise ?
Ho-Keung Ng (Department of Anatomical and Cellular Pathology, Chinese University of Hong Kong)

Symposium 6
ASNP Session 2 (Brain Tumor 2)

Chairs: Sung-Hye Park (Department of Pathology, Seoul National University)
        Takanori Hirose (Department of Diagnostic Pathology, Kobe University Hospital)

S6-1 Molecular heterogeneity in IDH-mutant gliomas
Michael E. Buckland (Neuropathology Department, Royal Prince Alfred (RPA) Hospital / Brain & Mind Centre, University of Sydney)

S6-2 CNS high-grade neuroepithelial tumor with BCOR internal tandem duplication
Sumihito Nobusawa (Department of Human Pathology, Gunma University Graduate School of Medicine)

S6-3 Histological and molecular genetic features of epithelioid glioblastoma
Hideaki Yokoo (Department of Human Pathology, Gunma University)

S6-4 Pilomyxoid Astrocytoma: What do we know about the tumor?
Tarik Tihan (Department of Pathology, University of California, San Francisco (UCSF))

Symposium 7
ASNP Session 3 (Infection)

Chairs: Leila Chimelli (State Institute of Brain Paulo Niemeyer / Federal University of Rio de Janeiro)
        Kum Thong Wong (Department of Pathology, Faculty of Medicine, University of Malaya)

S7-1 Evaluation of glial biology in pathogenesis of CNS infections
Anita Mahadevan (Department of Neuropathology, National Institute of Mental Health and Neurosciences (NIMHANS))

S7-2 Neuroinvasion via peripheral nerves: Increasing evidence for its importance in viral encephalitis
Kum Thong Wong (Department of Pathology, Faculty of Medicine, University of Malaya)

S7-3 Neuropathology and neuropathogenesis of congenital Zika syndrome
Leila Chimelli (State Institute of Brain Paulo Niemeyer / Federal University of Rio de Janeiro)
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<th>Poster Session 1</th>
<th>14:30-15:30</th>
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| **P1-1** | The boundaries and essence of anti-MOG syndrome  
Lei Liu (Department of Neurology, Beijing Tongren Hospital, Capital Medical University) |
| **P1-2** | MS lesion characteristics in Netherlands Brain Bank autopsy cohort: clinical and genetic correlates  
Nina L. Fransen (Dept. of Neuroimmunology, The Netherlands Institute for Neuroscience) |
| **P1-3** | Perivenous inflammatory demyelination is the prominent pathology in myelin oligodendrocyte glycoprotein antibody-associated disease  
Yoshiki Takai (Department of Neurology, Tohoku University School of Medicine) |
| **P1-4** | Multifocal central nervous system demyelination in a 40 year old: is it paraneoplastic?  
Rajalakshmi Poyuran (Department of Pathology, SCTIMST) |
| **P1-5** | The antidepressant effect of ketamine in a murine model of neuroinflammation involves the modulation of microglial activation  
F. Verdonk (Experimental neuropathology, Institut Pasteur / Departament of Anesthesiology and Intensive Care, Saint Antoine Hospital) |
| **P1-6** | Immunophenotype of lymphocytic primary angiitis of the central nervous system: a case study  
Masashi Watanabe (Department of Neurology, Ehime Prefectural Central Hospital) |
| **P1-7** | Brain biopsy findings in a patient with MOG antibody-associated encephalitis  
Takayuki Kosaka (Department of Neurology, Graduate School of Medical Sciences, Kumamoto University) |
| **P1-8** | The pathological features of MOG antibody-positive cerebral cortical encephalitis as a new spectrum associated with MOG antibodies  
Toshimasa Ikeda (Institute for Medical Science of Aging, Aichi Medical University / Department of Neurology and Neuroscience, Nagoya City University Graduate School of Medical Sciences / Department of Neurology, Nagoya City East Medical Center) |
| **P1-9** | Chronic leukoencephalopathy-like disease expansion and massive necrosis of the cerebral white matter in a patient with neuromyelitis optica  
Chiho Ishida (Department of Neurology, Hokuriku Brain and Neuromuscular Disease Center, National Hospital Organization Iou Hospital) |
| **P1-10** | Five cases of cerebral amyloid angiopathy related inflammation/angiitis diagnosed with brain biopsy  
Hideyuki Moriyoshi (Department of Neurology, TOYOTA Memorial Hospital / Department of Neurology, Nagoya University Graduate School of Medicine) |
| **P1-11** | MOG antibody positive meningo-leukoencephalitis with demyelination  
Kentaro Tokumoto (Department of Neurology, Kameda Medical Center / Department of Neurology, Tokyo Metropolitan Geriatric Hospital and Institute of Gerontology) |
| **P1-12** | DNA double-strand breaks in oligodendrocytes - the unifying step prior to myelin degeneration in Alzheimer’s dementia and multiple sclerosis  
Kai-Hei Tse (Division of Life Science, The Hong Kong University of Science and Technology, Clear Water Bay / MS Research Australia Brain Bank, Department of Neuropathology, Royal Prince Alfred Hospital & Brain and Mind Center, University of Sydney) |
| **P1-13** | Diaschisis in the experimental white matter stroke model: Histopathology and pathogenesis  
Min-Cheol Lee (Department of Pathology, Chonnam National University Medical School) |
| **P1-14** | White matter neuropathology due to cerebral micro-hemorrhages in geriatric traumatic brain injury  
Andrei Irimia (Ethel Percy Andrus Gerontology Center, Leonard Davis Schoo of Gerontology, University of Southern California) |
P1-15 Upregulation of annexin A1 in reactive astrocytes at the boundaries of human brain infarcts
Masahiro Shijo (Department of Neuropathology, Graduate School of Medical Sciences, Kyushu University / Department of Medicine and Clinical Science, Graduate School of Medical Sciences, Kyushu University)

P1-16 A case of juvenile central nervous system venulitis mimicking multiple sclerosis
Hitomi Onomura (Division of Integrated Medicine, TOYOTA Memorial Hospital)

P1-17 Cerebral impact of muscle trauma
Lorna Gueniot (Experimental neuropathology, Institut Pasteur / Direction Generale de l Armement, Ministere des Armees / ED Bio-SPC, Paris-Descartes University)

P1-18 Coexistence of transthyretin- and Aβ-type cerebral amyloid angiopathy in a patient with hereditary transthyretin V30M amyloidosis
Kenji Sakai (Department of Neurology and Neurobiology of Aging, Kanazawa University Graduate School of Medical Sciences)

P1-19 Expression of hepatocyte growth factor and c-Met receptor in the anterior horn cells of the spinal cord in the patients with spinal cord injury
Hiroshi Kohama (Division of Neuropathology, Tottori University Faculty of Medicine)

P1-20 Long-term interval from the spinal cord lesion to subsequent brain lesion in primary central nervous system vasculitis: a case report
Tomoya Kon (Department of Neuropathology, Hirosaki University / Department of Neurology, Aomori Prefectural Central Hospital)

P1-21 A case of congophilic amyloid angiopathy-related hemorrhages versus traumatic brain injury by car accident?
Dennis J Chute (Dutchess County Department of Behavioral and Community Health)

P1-22 A case of Aspergillus infection presenting as cerebral infarction and subarachnoid hemorrhage due to infectious aneurysm rupture
Ryosuke Inagaki (Department of Neurology TOYOTA Memorial Hospital)

P1-23 Pathology of hypertensive cerebral hemorrhage: Revisiting miliary aneurysm of Charcot-Bouchard using serial sections
Aya Takada (Department of Forensic Medicine, Saitama Medical University / Tokyo Medical Examiner's Office)

P1-24 Intracranial internal carotid artery injury as a rare cause of traumatic subarachnoid hemorrhage in non-missile head injury: Clinicopathological analysis of nine forensic autopsy cases
Kazuyuki Saito (Department of Forensic Medicine, Juntendo University Graduate School of Medicine / Department of Forensic Medicine, Saitama Medical University / Tokyo Medical Examiner's Office)

P1-25 "FAHR DISEASE" (symmetrical and selective cerebral calcification) is considered a kind of "ANGIOGENIC DISEASE" from the results of pathological and radiological studies
Eisuke Honda (Honda Occupational Health Consultant Office)

P1-26 Extensive calcifying CNS microangiopathy in a patient with scleroderma
Istvan Bodi (Clinical Neuropathology, Kings College Hospital NHS Foundation Trust / MRC London Neurodegenerative Diseases Brain Bank. IOPPN, Kings College London, SGDP Centre)

P1-27 9-year old girl with Cerebellopontine angle mass
Yuan Yuan (Department of Pathology, Beijing Tiantan Hospital)

P1-28 The specific accumulation of subunit c of mitochondria ATP synthase and curvilinear profile in neuronal cytoplasm of methylenetetrahydrofolate reductase deficiency
Takahiro Fukuda (Division of Neuropathology, Department of Pathology, The Jikei University School of Medicine)

P1-29 Brain pathology of mucopolysaccharidosis type 2, mild form
Susumu Igarashi (Department of Neurology, Yokosuka Kyosai Hospital)

P1-30 Typical Type I lissencephaly in Miller-Dieker Syndrome: Report of an autopsy case
Yoshinori Kodama (Department of Pathology and Applied Neurobiology, Kyoto Prefectural University of Medicine)
P1-31  An autopsy case of late-infantile GM1 gangliosidosis survived long duration with artificial respiratory support
Akiko Uchino (Department of Neuropathology (Brain Bank for Aging Research), Tokyo Metropolitan Geriatric Hospital & Institute of Gerontology / Department of Neurology, Kitasato University Kitasato Institute Hospital)

P1-32  Chronic consequences of neonatal exposure to common organic solvents on behavior, motoric functions and brain morphology in young rats
Mirna Lechpammer (Department of Pathology and Laboratory Medicine, Division of Neuropathology, University of California Davis)

P1-33  Poorly differentiated chordoma with loss of SMARCB1/INI1 expression in a pediatric patient: a case report
Shiho Yasue (Department of Pediatrics, Graduate School of Medicine, Gifu University)

P1-34  Severe mental retardation associated to central nervous system developmental disorders. Report of two cases in Mexico (postmortem pathology)
Eduardo Navarrete Medina (Hospital Civil de Guadalajara, “Dr. Juan I. Menchaca” UDG)

P1-35  Clasmatodendrosis in Influenza-Associated Encephalopathy is associated with dendritic spines and does not represent autophagic astrocyte death
M Tachibana (Osaka University United Graduate School of Child Development / Department of Pediatrics, Osaka University Graduate School of Medicine)

P1-36  Classification systems in surgical pathology of drug resistant epilepsy: the old versus new
Rajalakshmi Poyuran (Department of Neuropathology, NIMHANS / Department of Pathology, SCTIMST)

P1-37  A case of mild malformation of cortical development with oligodendroglial hyperplasia (MOGHE): a new pathological entity of frontal lobe epilepsy
Chenhui Mao (Department of Neurology, Peking Union Medical College Hospital, Chinese Academy of Medical Science)

P1-38  Meningioangiomaticosis: an incidental find during epilepsy surgery
Diana Pasov (Bagdasar-Arseni Clinical Emergency Hospital, Department of Pathology)

P1-39  Eosinophilic astrocytic inclusions of the white matter in patient with epilepsy
Alaa Mohammad Alkhotani (Umm AlQura Univesity. Pathologyy Department / King Abdullah Medical City)

P1-40  Comprehensive analysis of protein expression profiles in sclerotic hippocampus from patients with mesial temporal lobe epilepsy
Ayako Furukawa (Faculty of Pharmaceutical Sciences, Suzuka University of Medical Science)

P1-41  Histopathological Findings in Brain Tissue of an anti-NMDAR Encephalitis Patient Obtained during Epilepsy Surgery
Lei Liu (Department of Neurology, Beijing Tongren Hospital, Capital Medical University)

P1-42  Pathological examination of transmantle sign of FCD exhibiting T1-high-intensity on magnetic resonance imaging
Ayako Shioya (Department of Pathology and Laboratory Medicine, National Center Hospital, National Center of Neurology and Psychiatry / Department of Neurology, Mito Kyodo General Hospital, University of Tsukuba)

P1-43  Epileptogenesis of the subiculum associated with hippocampal sclerosis in patients with MTLE
Hiroki Kitaura (Dept.Pathology, Brain Res Inst., Niigata Univ.)

P1-44  Reversible enlargement of amygdala without definite pathological abnormality
Rie Motoyama (Department of Neurology, Tokyo Metropolitan Geriatric Hospital & Institute of Gerontology)

P1-45  Hippocampal morphometry in sudden and unexpected death in epilepsy (SUDEP)
Maria Thom (Department of Clinical and Experimental Epilepsy, UCL Institute of Neurology)

P1-46  Focal cortical dysplasia associated with CNS injury in early childhood
Mrinalini Honavar (Department of Anatomic Pathology, Hospital Pedro Hispano)
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<th>Male of 19 years with superefractory genetic epilepsy associated to bilateral porencephaly. Case report in Mexico</th>
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<th>P1-48</th>
<th>Pathological characteristics of peripheral neuropathy in eosinophilic granulomatosis with polyangiitis</th>
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<td>Ryota Sato (Department of Neurology and Clinical Neuroscience, Yamaguchi University Graduate School of Medicine)</td>
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<th>Label-free visualization of abnormal lipid accumulation in tissues from Fabry disease patients using Raman spectroscopic marker of globotriaosylceramide</th>
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<td>Yu Nagashima (School of Medicine, The University of Tokyo / School of Science, The University of Tokyo)</td>
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