

APPS2024 Program

As of Nov 21

Nov 30, 2024					
13:00 - 13:30	Registration			Session Chairs	
13:30 - 13:35	Opening Remarks		Dr. Ryuichiro ATARASHI, Miyazaki Univ., Japan		
13:35 - 13:40	Announcement		Dr. Motohiro HORIUCHI		
13:40 - 15:20	Human prion diseases	13:40 - 14:05	Dr. Steve COLLINS , Melbourne Univ., Australia (Online) <i>Update of Australian National Creutzfeldt-Jakob Disease Registry Surveillance and Related Activities</i>	Dr. SANJO Dr. ZOU	
		14:05 - 14:30	Dr. Wenquan ZOU , Nanchang Univ., China <i>The identification of a new prion species associated with the PrP E200K mutation in gCJD</i>		
		14:30 - 14:55	Dr. Eun-Kyoung Choi , Hallym Univ., Korea <i>Therapeutic Potential of CpG ODN in Targeting Prion Propagation and Survival</i>		
				Presentation selected from posters	
		15:00 - 15:10	(P1) Dr. Taiki MATSUBAYASHI , Institute of Science Tokyo, Japan <i>Specific early electroencephalogram analysis for the in the early diagnosis of sporadic Creutzfeldt-Jakob disease</i>	Dr. YAMADA	
		15:10 - 15:20	(P2) Dr. Takashi HOSHIKA , Hokkaido Univ., Japan <i>Expression of stress-induced transcriptional regulator ATF3 in brains of patients affected with human prion diseases.</i>		
15:20 - 15:50	Poster Session				
15:50 - 16:25	Educational lecture		Dr. Yoshinori IKENAKA , Hokkaido Univ., Japan <i>Detecting diseases with mass spectrometry - Case studies and future prospects -</i>	Dr. HORIUCHI	
16:30 - 18:20	Cellular and Molecular Biology, Biophysics, Pathogenesis (I)	16:30 - 16:55	Dr. Motomasa TANAKA , RIKEN, Japan <i>Understanding disease mechanisms by in vitro-generated amyloid fibrils</i>	Dr. ATARASHI Dr. MA	
		16:55 - 17:20	Dr. Chongsuk RYOU , Hanyang Univ., Korea <i>Prion transmission to mouse models expressing bankvole cellular prion protein</i>		

		17:20 - 17:35	Dr. Motohiro Horiuchi , Hokkaido Univ., Japan <i>PrP^{Sc}-specific staining in primary neuronal and astrocytic cultures</i>	
			Presentation selected from posters	
		17:40 - 17:50	(P4) Dr. Qiongya Gu , Osaka Metropolitan Univ., Japan <i>Functional analysis of prion proteins (Prn^P) in metabolism-associated fatty liver disease (MAFLD)</i>	Dr. RYOU
		17:50 - 18:00	(P5) Dr. Miryeong YOO , Hanyang Univ., Korea <i>A partial deletion in the C-terminal signal sequence of PrPC modulates protein expression via ER-associated degradation and activates the unfolded protein response</i>	
		18:00 - 18:10	(P6) Dr. Kenta TERUYA , Tohoku Univ., Japan <i>Therapeutic effect of curcumin derivative GT863 on prion-infected mice</i>	
		18:10 - 18:20	(P7) Dr. Hanae Takatsuki , Miyazaki Univ., Japan <i>Treatment with triprolidine in the late stages of prion infection prolongs survival of prion infected mice</i>	
18:30 - 20:00	Welcome Reception		Meeting room in School of Veterinary Medicine, Hokkaido Univ	
Dec 1, 2024				
9:00 - 9:45	Keynote lecture		Dr. Cathryn HAIGH , RML/NIH, USA (Online) <i>Metabolic imbalance associated with PRNP mutations and prion infection in human cerebral organoid models</i>	Dr. HORIUCHI
9:45 - 10:05	Poster Session			
10:05 - 11:30	Animal prion diseases, Pathogenesis (II), Prion-related diseases	10:05 - 10:30	Dr. Jiyan Ma , CIBR, China <i>Pathogenicity of the familial Q160X nonsense mutation of prion protein</i>	Dr. IWAMARU Dr. KOBAYASHI
		10:30 - 10:50	Dr. Atsushi KOBAYASHI , Nagasaki Univ, Japan <i>Roles of the glycosylphosphatidylinositol (GPI) glycan side chain in the pathogenesis of prion diseases</i>	
		10:50 - 11:00	Dr. Yoshifumi IWAMARU , NIAH, Japan <i>An update on animal transmissible spongiform encephalopathies (TSE)</i>	
			Presentation selected from posters	

		11:00 - 11:10	(P9/10) Drs. Ken-ichi Hagiwara and Morikazu Imamura , National Institute of Infectious Disease, Miyazaki Univ., Japan <i>Progress in Transmission Studies on Atypical L- and H-BSE prions with Non-human Primates, Cynomolgus Monkeys</i>	
		11:10 - 11:20	(P8) Dr. Byungki Jang , Hallym Univ., Korea <i>Citrullination alters glyceraldehyde 3-phosphate dehydrogenase function and serves as a novel indicator of neurodegeneration, assessed in both in vitro and prion diseases</i>	
		11:20 - 11:30	(P13) Dr. Hailun Wu , Nanchang Univ., China <i>Effect of phosphorylation at serine 129 of α-synuclein on its seeding activity and aggregation</i>	
11:35 - 12:05	Invited lecture		Dr. James CHAMBERS , Tokyo Univ., Japan (Online) <i>Comparative pathology of protein aggregates in the central nervous system</i>	Dr. HORIUHCI
12:10 - 12:30	General Assembly Meeting		Dr. Ryuichiro ATARASHI	
12:30 - 12:50	Awarding & Closing Ceremony		Announcement of APPS2025@Nagasaki by Dr. Shiro MOHRI	

APPS2024 Poster presentation

Human prion diseases		
P1	Taiki Matsubayashi et al.,	Specific early electroencephalogram analysis for the in the early diagnosis of sporadic Creutzfeldt-Jakob disease
P2	Takashi Hoshika et al.,	Expression of stress-induced transcriptional regulator ATF3 in brains of patients affected with human prion diseases
P3	Mohd Najib Mostafa et al.,	Therapeutic Potential of CpG ODN in Targeting Prion Propagation and Survival
Cellular and Molecular Biology, Biophysics		
P4	Qiongya Gu et al.,	Functional analysis of prion proteins (PrnP) in metabolism-associated fatty liver disease (MAFLD)
P5	Miryeong Yoo et al.,	A partial deletion in the C-terminal signal sequence of PrPC modulates protein expression via ER-associated degradation and activates the unfolded protein response
	Pathogenesis	
P6	Kenta Teruya et al.,	Therapeutic effect of curcumin derivative GT863 on prion-infected mice
P7	Hanae Takatsuki et al.,	Treatment with triprolidine in the late stages of prion infection prolongs survival of prion infected mice
P8	Byungki Jang et al.,	Citrullination alters glyceraldehyde 3-phosphate dehydrogenase function and serves as a novel indicator of neurodegeneration, assessed in both in vitro and prion diseases
P9	Hiroaki Shibata et al.,	Lack of evidence for transmission of atypical H-type bovine spongiform encephalopathy prions (H-BSE prions) by intracranial and oral challenges to non-human primates
Animal prion diseases		
P10	Morikazu Imamura et al.,	Oral Transmission of L-type Bovine Spongiform Encephalopathy in Cynomolgus Macaques: Detection of Classical BSE-like Prions in Lymphoid Tissues and peripheral nerves
P11	Akio Suzuki et a.,	Establishment of practical method for the detection of major animal prions using real-time quaking-induced conversion
Prion related disorders		
P12	Kuan Ning et al.,	Clinical value of plasma biomarkers in diagnosing Alzheimer's and Parkinson's diseases
P13	Hailun Wu et al.,	Effect of phosphorylation at serine 129 of α -synuclein on its seeding activity and aggregation