

**PRION 2017 - A-Z of Abstracts  
(by Presenter)**

\*updated on 15 May 2017

Name	Paper Title:	Theme:	Pres. Type:	Poster Number	Poster Display Day	Oral Presentation Day	Oral Session Name:
Fang, Dr Cheng	Molecular Mechanisms of PrPSc Synaptotoxicity	Mechanisms of Neurodegeneration	Junior Research Forum & Poster	1	Wednesday	Tuesday	Junior Researchers Forum
Nassor, Mr Ferid	MiniBrain for Prion-like diseases: A novel platform to engineer and study 3D human neuroectodermic organoids derived from iPSCs	Mechanisms of Neurodegeneration	Junior Research Forum & Poster	2	Wednesday	Tuesday	Junior Researchers Forum
Miller, Mr. William	Genetic Susceptibility of Free-ranging Cervids to Chronic Wasting Disease in a Recently Infected Region of the United States	Clinical and Epidemiological Aspects	Junior Research Forum & Poster	3	Wednesday	Tuesday	Junior Researchers Forum
Igel-Egalon, Doctor Angélique	Reversible unfolding of infectious prion assemblies reveals the existence of an oligomeric elementary brick	Protein Biology - Function, Conversion, Dysfunction	Junior Research Forum & Poster	4	Wednesday	Tuesday	Junior Researchers Forum
Frid, Miss Kati	Stem cell transplantation in the investigation and treatment of genetic Prion Diseases	Diagnostics/Therapeutics	Junior Research Forum & Poster	5	Wednesday	Tuesday	Junior Researchers Forum
Hoover, Dr Clare	Pathways of prion spread during early chronic wasting disease in deer	Disease Transmission/Pathogenesis	Junior Research Forum & Poster	6	Wednesday	Tuesday	Junior Researchers Forum
Ritchie, Dr Diane	Amyloid-β accumulation in human growth hormone related iatrogenic CJD patients in the UK	Disease Transmission/Pathogenesis	Junior Research Forum & Poster	7	Wednesday	Tuesday	Junior Researchers Forum
Zafar, Dr. Saima	Risk modifiers tangled in rapid progression of Alzheimer's disease.	Mechanisms of Neurodegeneration	Junior Research Forum & Poster	8	Wednesday	Tuesday	Junior Researchers Forum
Gill, Dr Andrew	Prion protein does not protect neuroblastoma cells from stress, but may affect key cellular properties by modulating growth factor signalling	Protein Biology - Function, Conversion, Dysfunction	Oral & Poster (Short)	9	Wednesday	Wednesday	Mechanisms of Protein mis-folding
Legname, D.Phil. Giuseppe	α-Synuclein Amyloids Bind To Prion Protein to Facilitate Cell Entry, Cell-To-Cell Spreading And Inhibit Prion Replication	Mechanisms of Neurodegeneration	Oral & Poster (Long)	10	Wednesday	Wednesday	Mechanisms of Protein mis-folding
Linsenmeier, MSc Luise	ADAM10-mediated shedding of the prion protein: Investigating its mechanism & regulation	Protein Biology - Function, Conversion, Dysfunction	Oral & Poster (Short)	11	Wednesday	Wednesday	Mechanisms of Protein mis-folding
Krasemann, Dr. Susanne	Muskelin regulates PrPC vesicle transport and membrane levels and influences prion disease incubation time	Protein Biology - Function, Conversion, Dysfunction	Oral & Poster (Short)	12	Wednesday	Wednesday	Mechanisms of Protein mis-folding
Sigurdson, Dr. Christina	Key asparagine and glutamine residues promote cross-species prion conversion	Protein Biology - Function, Conversion, Dysfunction	Oral & Poster (Short)	13	Wednesday	Wednesday	Mechanisms of Protein mis-folding
Kovacs, Prof. Gabor G.	Comparison of the neuronal lysosomal response in human neurodegenerative diseases	Mechanisms of Neurodegeneration	Oral & Poster (Long)	14	Wednesday	Wednesday	Mechanisms Neurodegeneration
Schneider, PhD Benoit	Rescuing TACE alpha-secretase activity upon inhibition of PDK1 kinase mitigates prion and Alzheimer's diseases	Mechanisms of Neurodegeneration	Oral & Poster (Short)	15	Wednesday	Wednesday	Mechanisms Neurodegeneration
Lasmezas, Prof. Corinne	Identification of a highly reactive α-synuclein species in primary neurons exposed to fibrillar α-synuclein.	Protein Biology - Function, Conversion, Dysfunction	Oral & Poster (Long)	16	Wednesday	Wednesday	Mechanisms Neurodegeneration
Chiesa, Dr Roberto	Induction of transmissible tau pathology by traumatic brain injury	Disease Transmission/Pathogenesis	Oral & Poster (Short)	17	Wednesday	Wednesday	Mechanisms Neurodegeneration
Allison, Dr. W. Ted	Expanding roles for PrPC in Alzheimer Disease: an ancient conserved interaction	Mechanisms of Neurodegeneration	Oral & Poster (Short)	18	Wednesday	Wednesday	Mechanisms Neurodegeneration
Baiardi, Dr. Simone	Toward an early and subtype-specific clinical diagnosis of sporadic Creutzfeldt-Jakob disease: the case of the VV2 subtype, a recognizable form of subacute ataxia "plus"	Clinical and Epidemiological Aspects	Poster Only	19	Wednesday		
Ae, MD, PhD Ryusuke	Descriptive epidemiology of human prion diseases in Japan: a prospective 16-year surveillance study.	Clinical and Epidemiological Aspects	Poster Only	20	Wednesday		
Furukawa, Fumiko	Clinicopathological features of Gerstmann-Sträussler-Scheinker syndrome with P105L mutation.	Clinical and Epidemiological Aspects	Poster Only	21	Wednesday		
Haley, Dvm, Phd Nicholas	Managing towards CWD resistance in Rocky Mountain elk (Cervus elaphus) using antemortem rectal biopsy testing and pedigree reconstruction	Clinical and Epidemiological Aspects	Poster Only	22	Wednesday		
McNiven, Kirsty	Enteral feeding has strong effects on survival in prion diseases	Clinical and Epidemiological Aspects	Poster Only	23	Wednesday		
Logan, Mrs Gemma	Enhanced Creutzfeldt-Jakob Disease surveillance in patients with atypical dementia: challenges to recruitment in the clinical setting.	Clinical and Epidemiological Aspects	Poster Only	24	Wednesday		
Macri, Dr Daniele	Allelic variants at codon 222 in the goat genome associated with resistant to SCRAPIE in sicilian and calabrian goats - future prospect for the adoption of a national selection plan	Clinical and Epidemiological Aspects	Poster Only	25	Wednesday		
Maddox, Dr. Ryan	Familial prion diseases evaluated at the US National Prion Disease Pathology Surveillance Center, 2005-2015	Clinical and Epidemiological Aspects	Poster Only	26	Wednesday		
Nihat, Dr Akin	Developing a motor rating scale for sporadic CJD	Clinical and Epidemiological Aspects	Poster Only	27	Wednesday		
Peden, Dr Alexander	Enhanced Creutzfeldt-Jakob Disease Surveillance in the Older Population in the UK using Biochemical Testing: Logistical Aspects.	Clinical and Epidemiological Aspects	Poster Only	28	Wednesday		
Urwin, Dr Patrick	Is sporadic CJD an acquired disease? Exploring the UK sCJD cases for evidence of iatrogenic transmission through transplantation and surgery.	Clinical and Epidemiological Aspects	Poster Only	29	Wednesday		
Waddell, Dr Briony	The clinical and referral characteristics of older patients with Creutzfeldt-Jakob Disease: a retrospective review of cases occurring in the UK	Clinical and Epidemiological Aspects	Poster Only	30	Wednesday		

Simpson, Mrs. Deana	CJD International Support Alliance (CIDISA) – The voice, the face, the human story behind this horrific disease.	Clinical and Epidemiological Aspects	Poster Only	31	Wednesday		
Yull, Ms Helen	Enhanced Creutzfeldt-Jakob Disease Surveillance in the Older Population in the UK using Neuropathology and Biochemical Testing: interim findings	Clinical and Epidemiological Aspects	Poster Only	32	Wednesday		
Asher, MD David	Rapid testing for Creutzfeldt-Jakob disease in cadaveric donors of human tissues	Diagnostics/ Therapeutics	Poster Only	33	Wednesday		
Bennett, Graduate Student Arlana	The Role of Traditional Knowledge in the Monitoring and Management of Chronic Wasting Disease in Northern Alberta	Diagnostics/ Therapeutics	Poster Only	34	Wednesday		
Biggi, MS Silvia	Chlorpromazine exerts anti-prion effects by altering the localization of the cellular prion protein	Diagnostics/ Therapeutics	Poster Only	35	Wednesday		
Blinov, Dr Nikolay	Discovery of novel inhibitors targeting prion-like propagation of pathological misfolding of SOD1 enzyme in Amyotrophic Lateral Sclerosis	Diagnostics/ Therapeutics	Poster Only	36	Wednesday		
Candelise, Mr Niccoló	Dense Shell Glycodendrimers inhibit Prion Protein aggregation during Real Time-Quaking Induced Conversion	Diagnostics/ Therapeutics	Poster Only	37	Wednesday		
Estep, Dr. Joshua	Serum GFAP levels as a predictor of prion related neurodegeneration.	Diagnostics/ Therapeutics	Poster Only	38	Wednesday		
Farren, Ms Ciara	Identification of biomarkers for prion infection in blood.	Diagnostics/ Therapeutics	Poster Only	39	Wednesday		
Hope, Dr James	Creating a panel of animal prion inocula to characterise and compare transgenic mouse lines	Diagnostics/ Therapeutics	Poster Only	40	Wednesday		
Hwang, Dr. Soyoun	Use of Bovine Recombinant Prion Protein and Real-Time Quaking-Induced Conversion to Detect Cattle Transmissible Mink Encephalopathy Prions and Discriminate Classical and Atypical L- and H-Type Bovine Spongiform Encephalopathy	Diagnostics/ Therapeutics	Poster Only	41	Wednesday		
Karri, Mr. Srinivasarao	Anti-retroviral drug activates cholesterol 24-hydroxylase and inhibits prion propagation in neuronal cells	Diagnostics/ Therapeutics	Poster Only	42	Wednesday		
Kostelanska, Mgr. Marie	Photodynamic inactivation of prion strains by sulfonated phthalocyanines	Diagnostics/ Therapeutics	Poster Only	43	Wednesday		
Kovacs, Prof. Gabor G.	Plasma and cerebrospinal fluid tau and neurofilament concentrations in a neuropathology-based cohort	Diagnostics/ Therapeutics	Poster Only	44	Wednesday		
Mazza, Dr Maria	Rapid detection and discrimination of classical and atypical BSE by Real-Time Quaking-Induced Conversion	Diagnostics/ Therapeutics	Poster Only	45	Wednesday		
McKenzie, Dr Neil	Investigation of the effect of sCJD subtypes on the sensitivity of CSF RT-QuIC.	Diagnostics/ Therapeutics	Poster Only	46	Wednesday		
Onodera, Professor Takashi	Evaluation of calcium hydrogen carbonate mesoscopic crystals as a disinfectant for prions.	Diagnostics/ Therapeutics	Poster Only	47	Wednesday		
Ryou, Dr. Chongsuk	In-cell self-assembly of oligoarginine peptides increases the anti-prion potency	Diagnostics/ Therapeutics	Poster Only	48	Wednesday		
Ugalde, Ms Cathryn	Profiling exosomal miRNA as biomarkers for prion disease in vivo	Diagnostics/ Therapeutics	Poster Only	49	Wednesday		
Silva, Dr. Christopher	Quantifying relative amounts of PrP polymorphisms present in scrapie isolated from infected heterozygous sheep.	Diagnostics/ Therapeutics	Poster Only	50	Wednesday		
Sohn, Hyun Joo	Anti-prion activity of (-)-3,5-Dicaffeoyl quinic acid against BSE-associated prion protein	Diagnostics/ Therapeutics	Poster Only	51	Wednesday		
Sohn, Hyun Joo	NaPTA/RT-QuIC detection of PrPCWD in saliva and urine of CWD-infected cervids and TgElk mice	Diagnostics/ Therapeutics	Poster Only	52	Wednesday		
Workman, Mr Rob	Ovine Recombinant PrP as an Inhibitor of Ruminant Prion Diseases	Diagnostics/ Therapeutics	Poster Only	53	Wednesday		
Amidian, Sara	Molecular Dynamics Simulations of Cervid Prion Protein Variants to Assess Protein Stability and Susceptibility Towards Chronic Wasting Disease	Disease Transmission/ Pathogenesis	Poster Only	54	Wednesday		
Barria , Dr Marcelo	Susceptibility of human prion protein to in vitro conversion by chronic wasting disease prions	Disease Transmission/ Pathogenesis	Poster Only	55	Wednesday		
Ackermann, Ivett	Detection of classical BSE prions in the ileal Peyer's patch of unweaned calves from two months after oral challenge	Disease Transmission/ Pathogenesis	Poster Only	56	Wednesday		
Bolea Bailo, Dr. Rosa Mª	The role of glycans in the strain properties and the pathobiological features of BSE.	Disease Transmission/ Pathogenesis	Poster Only	57	Wednesday		
Boyle, Mrs Aileen	Evidence of multiple strains of chronic wasting disease in wild type mice	Disease Transmission/ Pathogenesis	Poster Only	58	Wednesday		
Cashman, Prof Neil	In amyotrophic lateral sclerosis, cross-seeding of SOD1 by TDP-43 is mediated by tryptophan residues	Disease Transmission/ Pathogenesis	Poster Only	59	Wednesday		
Cullis-Hill, Dr David	PrP expression by colonic stromal fibroblasts and epithelial cells in homeostasis vs cancer. A model for transformation due to aberrant heparan sulphate-prp interactions	Disease Transmission/ Pathogenesis	Poster Only	60	Wednesday		
Diack, Dr Abigail	vCJD strain properties in a Spanish mother and son replicate as those of a young UK case	Disease Transmission/ Pathogenesis	Poster Only	61	Wednesday		
DONG, Prof. XIAO-PING	Reduction of NF- $\kappa$ B (p65) in Scrapie-infected cultured cells and in the brains of Scrapie-infected rodents	Disease Transmission/ Pathogenesis	Poster Only	62	Wednesday		
Garza, María Carmen	Fibronectin-rich extracellular matrix inhibits prion infection in muscle-derived C2C12 cells	Disease Transmission/ Pathogenesis	Poster Only	63	Wednesday		
Hannaoui, Dr Samia	Destabilizing polymorphism in cervid prion protein hydrophobic core dictates conversion efficiency, prion conformation and adaptation	Disease Transmission/ Pathogenesis	Poster Only	64	Wednesday		
Hassan, Dr Mohammad Farooque	Polymorphism and Sequence Analysis of Prion Protein Gene of Pakistani Goat Breeds	Disease Transmission/ Pathogenesis	Poster Only	65	Wednesday		

Houston, Dr Fiona	Development of a quantitative amplification assay to measure seeding activity in BSE-infected sheep blood samples.	Disease Transmission/ Pathogenesis	Poster Only	66	Wednesday		
Kincaid, Dr. Anthony	Characteristics of Bulk Transport of Prions Across the Nasal Mucosa Following Inhalation	Disease Transmission/ Pathogenesis	Poster Only	67	Wednesday		
Matsuura, Dr. Yuichi	Eliminating infectivity of bovine spongiform encephalopathy agent by ashing treatment	Disease Transmission/ Pathogenesis	Poster Only	68	Wednesday		
Mehla, Ph.D Jogender	Single App knock-in mouse model of Alzheimer's disease showed impairment of learning and memory in various behavioral paradigms: Involvement of cholinergic system and neuro-inflammation	Disease Transmission/ Pathogenesis	Poster Only	69	Wednesday		
Miedema, Ms. Kaitlyn	Intranodal Prion Trafficking: Who's Passing Prions Around the Lymph Node?	Disease Transmission/ Pathogenesis	Poster Only	70	Wednesday		
Miyazawa, Dr. Kohtaro	Preferential amplification of mouse-passaged scrapie prions with a long incubation period from a mixed prion population by GT1-7 cells	Disease Transmission/ Pathogenesis	Poster Only	71	Wednesday		
Mosko, PhD Tibor	Prion infection alters cell calcium stores and decreases the cell protease activated receptor signalling	Disease Transmission/ Pathogenesis	Poster Only	72	Wednesday		
Nonno, DVM Romolo	Biological characterization of sporadic Creutzfeldt Jakob disease subtypes in bank voles and comparison with scrapie strains	Disease Transmission/ Pathogenesis	Poster Only	73	Wednesday		
Pineau, Ms. Hailey	Characterization of Alzheimer's Disease Strains in a Novel ex vivo Model	Disease Transmission/ Pathogenesis	Poster Only	74	Wednesday		
Plinston, Mr Chris	Strain characterisation of a PRNP codon 129MV individual reveals similar strain properties to those of codon 129MM individuals	Disease Transmission/ Pathogenesis	Poster Only	75	Wednesday		
Rossi, Mr Marcello	Atypical Creutzfeldt Jakob disease with PrP-amyloid plaques in white matter: Molecular characterization and transmission to bank voles show the M1 strain signature	Disease Transmission/ Pathogenesis	Poster Only	76	Wednesday		
Tan, Mr. Boon Chin	Effect of a single coding polymorphism in the PRNP gene on PrPSc levels in sheep lymphoid tissues and blood.	Disease Transmission/ Pathogenesis	Poster Only	77	Wednesday		
Triscott, Ms Elizabeth	Host Range of Chronic Wasting Disease (CWD) Isolates	Disease Transmission/ Pathogenesis	Poster Only	78	Wednesday		
Vanni, Phd Ilaria	Atypical PrPSc retains high infectivity after protease K treatment	Disease Transmission/ Pathogenesis	Poster Only	79	Wednesday		
Walia, Dr Rupali	Gene editing of Prnp locus using CRISPR-Cas9 to develop cell culture models for studying transmission and species barrier in prion diseases	Disease Transmission/ Pathogenesis	Poster Only	80	Wednesday		
Yamada, Professor Masahito	Iatrogenic Creutzfeldt-Jakob disease related to dura mater grafts	Disease Transmission/ Pathogenesis	Invited Speaker	81	Wednesday		
Arshad, Mr Hamza	Utilizing the Bank Vole Prion Protein to Characterize Mutations Associated with Gerstmann-Sträussler-Scheinker Disease	Mechanisms of Neurodegeneration	Poster Only	82	Wednesday		
Blinov, Dr Nikolay	Targeting initial stages of oligomerization of Aβ peptides for anti-Alzheimer's therapy	Mechanisms of Neurodegeneration	Poster Only	83	Wednesday		
Braun, Dr. Janice	Deciphering the Role of Chaperone Export by Neurons	Mechanisms of Neurodegeneration	Poster Only	84	Wednesday		
Cardova, Ms Alzbeta	Inherited human prion disease modelled in PrP transgenic Drosophila	Mechanisms of Neurodegeneration	Poster Only	85	Wednesday		
Corona, Dr Cristiano	The hSOD1G93A transgenic swine as a large-animal model for studying ALS	Mechanisms of Neurodegeneration	Poster Only	86	Wednesday		
Eskandari-Sedighi, Ms. Ghazaleh	Neural and non-neural cell counts during prion infections quantified by the isotropic fractionator technique	Mechanisms of Neurodegeneration	Poster Only	87	Wednesday		
Fu, Miss Zelin	Structural stability of a novel GSS-causing PrP mutant with a partial duplication of the hydrophobic region	Mechanisms of Neurodegeneration	Poster Only	88	Wednesday		
Gilch, PhD Sabine	Impaired endosomal vesicle trafficking in prion-infected neuronal cells: a possible mechanism to sustain prion propagation	Mechanisms of Neurodegeneration	Poster Only	89	Wednesday		
Holmes, Mr Richard	Induced aggregation of recombinant alpha-synuclein using PD and MSA brain samples to model the formation of prionoid disease causing protein species	Mechanisms of Neurodegeneration	Poster Only	90	Wednesday		
Jackson, Rosemary	Changes in the synaptic proteome in Alzheimer's disease indicate a role for the immune system in synapse degeneration	Mechanisms of Neurodegeneration	Poster Only	91	Wednesday		
Kanyo, Dr Richard	Loss of cellular prion protein increases seizure-susceptibility in zebrafish	Mechanisms of Neurodegeneration	Poster Only	92	Wednesday		
Phadwal, Dr. Kanchan	Targeting autolysosomal pathway for selective clearance of misfolded prion proteins - a novel therapeutic approach.	Mechanisms of Neurodegeneration	Poster Only	93	Wednesday		
Souza Melo, Dr. Jose Joaquim	The Neurophysics Parameters for Experimental Study of Glutamatergic Excitotoxicity	Mechanisms of Neurodegeneration	Poster Only	94	Wednesday		
Watts, Joel	Templated Conformational Propagation of Alpha-Synuclein Aggregate Strains in Transgenic Mice	Mechanisms of Neurodegeneration	Poster Only	95	Wednesday		
Wu, Dr. Bei	The N-Terminus of the Prion Protein is a Toxic Effector Regulated by the C-Terminus	Mechanisms of Neurodegeneration	Poster Only	96	Wednesday		
Babu, Mr Sudheer	Prion protein variants containing genetically coded, site-specifically incorporated p-benzoyl-L-phenylalanine; interrogating the dimerization interface of an alpha helical mPrP dimer	Protein Biology - Function, Conversion, Dysfunction	Poster Only	97	Wednesday		
Bistaffa, Phd Student Edoardo	Effects of the environment on synthetic prion replication	Protein Biology - Function, Conversion, Dysfunction	Poster Only	98	Wednesday		
Withdrawn	Withdrawn	Withdrawn	Poster Only	99	Wednesday		

Cortez, PhD Leonardo	Applications of asymmetric flow field flow fractionation and light scattering to the study of prion protein oligomers	Protein Biology - Function, Conversion, Dysfunction	Poster Only	100	Wednesday		
Choi, Dr. Yeong-gon	Pathogenic prion isoforms are linked with the different types of advanced glycation end products	Protein Biology - Function, Conversion, Dysfunction	Poster Only	101	Wednesday		
Gielbert, Dr. Adriana (Janine)	Differences in classical, L-type and H-type BSE prions from bovine, ovine and transgenic mouse hosts as determined by mass spectrometry	Protein Biology - Function, Conversion, Dysfunction	Poster Only	102	Wednesday		
Grizel, Anastasiia	Dynamics and Morphology of Aggregates Formed by Prionogenic Proteins in Yeast	Protein Biology - Function, Conversion, Dysfunction	Poster Only	103	Wednesday		
Flores-Fernandez, PhD Jose Miguel	Engineering a right-handed, four-rung beta-solenoid protein as a structural mimic for PrPSc	Protein Biology - Function, Conversion, Dysfunction	Poster Only	104	Wednesday		
King, Mr Declan	Development of in vitro models to facilitate the study of early mechanisms of misfolded protein formation, accumulation and clearance	Protein Biology - Function, Conversion, Dysfunction	Poster Only	105	Wednesday		
Ness, Mr. Anthony	Acetylcholinesterase chemical inhibitor effects on prion replication in multiple in vitro models	Protein Biology - Function, Conversion, Dysfunction	Poster Only	106	Wednesday		
Pollock, Mr Niall	Investigating the Physiological Function of Cellular Prion Protein Through RNA-Sequencing Analysis	Protein Biology - Function, Conversion, Dysfunction	Poster Only	107	Wednesday		
Romanova, Dr. Nina	Identification of New Human Amyloidogenic Proteins by a Yeast Assay	Protein Biology - Function, Conversion, Dysfunction	Poster Only	108	Wednesday		
Samorodnitsky, Dr. Daniel	Differential Effects of Divalent Cations on Elk PrPC Fibril Formation and Stability	Protein Biology - Function, Conversion, Dysfunction	Poster Only	109	Wednesday		
Sinka, Dr Katy	Lessons learned from the systematic public health follow-up of all diagnoses of CJD for surgical risk, in England	Clinical and Epidemiological Aspects	Oral & Poster (Short)	110	Thursday	Thursday	Current clinical concerns of prion disease
Peckeu, Ms Laurene	Iatrogenic CJD after human cadaver-sourced growth hormone treatment in France: identifying risk factors associated with susceptibility	Clinical and Epidemiological Aspects	Oral & Poster (Short)	111	Thursday	Thursday	Current clinical concerns of prion disease
Abu Rumeileh, Dr. Samir	Widening the phenotypic spectrum of sporadic fatal insomnia: clinical findings, results of diagnostic investigations and neuropathological features of new cases.	Clinical and Epidemiological Aspects	Oral & Poster (Short)	112	Thursday	Thursday	Current clinical concerns of prion disease
Zou, Dr. Wenquan	Transmissible prions in the skin of Creutzfeldt-Jakob disease patients	Disease Transmission/ Pathogenesis	Oral & Poster (Short)	113	Thursday	Thursday	Current clinical concerns of prion disease
Bartz, Professor Jason	Incongruity between prion conversion and incubation period following co-infection	Disease Transmission/ Pathogenesis	Oral & Poster (Short)	114	Thursday	Thursday	Current concerns in prion disease: Chronic wasting disease
Woerman, Dr. Amanda	a-Synuclein prions from MSA patients exhibit similar transmission properties as PrPSc prions	Disease Transmission/ Pathogenesis	Oral & Poster (Short)	115	Thursday	Thursday	Current concerns in prion disease: Chronic wasting disease
Bian, Dr. Jifeng	Prion replication without host adaptation during interspecies transmissions	Disease Transmission/ Pathogenesis	Oral & Poster (Short)	116	Thursday	Thursday	Current concerns in prion disease: Chronic wasting disease
Donaldson, Dr David	Increased Abundance of M cells in the Gut Epithelium Dramatically Enhances Oral Prion Disease Susceptibility	Disease Transmission/ Pathogenesis	Oral & Poster (Short)	117	Thursday	Thursday	Current concerns in prion disease: Chronic wasting disease
Cashman, Prof Neil	Epitope identification of toxic propagating strains of Aβ oligomers	Mechanisms of Neurodegeneration	Oral & Poster (Short)	118	Thursday	Thursday	Current concerns in prion disease: Chronic wasting disease
Sakai, Dr Kenji	Type-dependant diverse extension patterns of hyperintensity on diffusion-weighted MR images in dura mater graft-associated Creutzfeldt-Jakob disease	Clinical and Epidemiological Aspects	Oral & Poster (Short)	119	Thursday	Friday	Diagnostics/Therapeutics
Concha, Luis	Early preclinical detection of prions in blood of macaques peripherally infected with the variant CJD agent.	Diagnostics/ Therapeutics	Oral & Poster (Long)	120	Thursday	Friday	Diagnostics/Therapeutics
Bujdosó, Dr. Raymond	Detection of mammalian prions by PrP transgenic Drosophila	Diagnostics/ Therapeutics	Oral & Poster (Short)	121	Thursday	Friday	Diagnostics/Therapeutics
Senatore, PhD Assunta	Rational design of anti-PrP antibodies to block prion induced neurodegeneration	Diagnostics/ Therapeutics	Oral & Poster (Short)	122	Thursday	Friday	Diagnostics/Therapeutics
Mays, Dr. Charles	Treatment with a Non-toxic, Self-replicating Anti-prion Delays or Prevents Prion Disease In vivo	Diagnostics/ Therapeutics	Oral & Poster (Short)	123	Thursday	Friday	Diagnostics/Therapeutics
Barbuceanu, Assoc. Prof. Florica	The Present Romanian Epidemiological Context with Regard to the Bovine Spongiform Encephalopathy	Clinical and Epidemiological Aspects	Poster Only	124	Thursday		
Becker, Dr. Andreas	The epidemiology of classical and atypical BSE could be completely deciphered if the most important co-factor was no longer ignored	Clinical and Epidemiological Aspects	Poster Only	125	Thursday		
Hamaguchi, Dr. Tsuyoshi	Clinical and pathological characterization of "sporadic Creutzfeldt-Jakob disease" with histories of neurosurgery to identify iatrogenic cases	Clinical and Epidemiological Aspects	Poster Only	126	Thursday		
Karekwaivanane, Mrs Kudzai	Prion surveillance in primary immunodeficiency patients exposed to UK-sourced immunoglobulin in the UK, 1996-2000	Clinical and Epidemiological Aspects	Poster Only	127	Thursday		
Meloni, Dr Daniela	No cases of Chronic wasting disease from an ongoing monitoring program in Italy	Clinical and Epidemiological Aspects	Poster Only	128	Thursday		
Mackenzie, Miss Jan	Occupations of cases of variant Creutzfeldt-Jakob Disease (vCJD) in the UK, 1995-2016	Clinical and Epidemiological Aspects	Poster Only	129	Thursday		
Maddox, Dr. Ryan	Human prion disease surveillance in Washington state, 2006-2015	Clinical and Epidemiological Aspects	Poster Only	130	Thursday		
Mok, Dr Tze How	Pathologically Confirmed Variant Creutzfeldt - Jakob disease in A Patient Heterozygous at Codon 129 of Prion Protein Gene	Clinical and Epidemiological Aspects	Poster Only	131	Thursday		

Otero Garcia, Alicia	Resistance-associated deer prion protein polymorphisms limit the peripheral PrPCWD deposition	Clinical and Epidemiological Aspects	Poster Only	132	Thursday		
Tsakamoto, Dr. Tadashi	CJD with M232R: Its clinicoepidemiological features.	Clinical and Epidemiological Aspects	Poster Only	133	Thursday		
Waddell, Dr Briony	A clinical description of atypical dementia patients: are we missing Creutzfeldt-Jakob Disease in older patients?	Clinical and Epidemiological Aspects	Poster Only	134	Thursday		
Will, Professor Robert	Accuracy of a history of blood donation from surrogate witnesses: data from the UK TMER study	Clinical and Epidemiological Aspects	Poster Only	135	Thursday		
Sinka, Dr Katy	16 year follow-up of surgically exposed contacts of patients with CJD in the UK	Clinical and Epidemiological Aspects	Poster Only	136	Thursday		
An, Prof. Seong	Novel prion mutation Y225C in a Korean patient with Creutzfeldt-Jakob disease	Diagnostics/ Therapeutics	Poster Only	137	Thursday		
Belondrade, Maxime	Rapid and highly sensitive detection of Variant Creutzfeldt - Jakob Disease prions binded on steel surfaces by PMCA: Application to Prion decontamination studies	Diagnostics/ Therapeutics	Poster Only	138	Thursday		
Bender, Ms. Heather	Crossing the blood brain barrier: siRNA treatment for prion diseases	Diagnostics/ Therapeutics	Poster Only	139	Thursday		
Biasini, Dr Emiliano	Identifying Novel Anti-Prion Compounds by Targeting the Cellular Prion Protein	Diagnostics/ Therapeutics	Poster Only	140	Thursday		
Binyamin, Miss Orli	Long-term administration of Nano-PSO to genetic prion mice resulted in increased survival concomitant with reduction of sugar amyloids	Diagnostics/ Therapeutics	Poster Only	141	Thursday		
Camacho, Dr Manuel V.	Role of PrP glycosylation in the human prion replication:A PMCA study	Diagnostics/ Therapeutics	Poster Only	142	Thursday		
Christiansen, Research Scientist Jeffrey	Toward estimating sub-clinical human prion prevalence: Development of high-throughput amplification and detection methodologies.	Diagnostics/ Therapeutics	Poster Only	143	Thursday		
Henderson, Dr. Davin	Environmental Contamination Assessment of CWD Shed in Excreta by RT-QuIC	Diagnostics/ Therapeutics	Poster Only	144	Thursday		
Horiuchi, Dr Motohiro	Therapeutic effect of autologous compact bone-derived mesenchymal stem cell transplantation on prion disease	Diagnostics/ Therapeutics	Poster Only	145	Thursday		
Jas, Christelle	Earliest Detection of Prion Seeding Activity In Blood of Human PRP Transgenic Mice Infected With VCJD	Diagnostics/ Therapeutics	Poster Only	146	Thursday		
Kim, Su Yeon	Structural Insight into the Anti-prion Compound Inhibition Mechanism of Native Prion Folding over Misfolding	Diagnostics/ Therapeutics	Poster Only	147	Thursday		
Ladhani, Mr Kaetan	Comparison of Protein Misfolding Cyclic Amplification (PMCA) Assays for Analytical and Diagnostic Sensitivity	Diagnostics/ Therapeutics	Poster Only	148	Thursday		
Lee, Researcher Sol Moe	THERPA: a small molecule database related to prion protein regulation and prion disease progression	Diagnostics/ Therapeutics	Poster Only	149	Thursday		
Mead, Prof Simon	A one-stop shop for dementia gene diagnosis? Utility of a dementia-focused next generation sequencing gene panel in a heterogenous referral series	Diagnostics/ Therapeutics	Poster Only	150	Thursday		
Piconi, Mr Gabriele	Characterisation of RT-QuIC reaction products	Diagnostics/ Therapeutics	Poster Only	151	Thursday		
Suzuki, MC Akio	Unique reactivity of cervid recombinant PrP for the detection of L-BSE and CWD by RT-QuIC	Diagnostics/ Therapeutics	Poster Only	152	Thursday		
Voisset, Phd Cécile	AP326, a new FDA-approved drug active against prions	Diagnostics/ Therapeutics	Poster Only	153	Thursday		
Withdrawn	Withdrawn	Withdrawn	Poster Only	154	Thursday		
Sohn, Hyun Joo	Sensitive detection of PrPCWD in soil from CWD infected farm by PMCAb	Diagnostics/ Therapeutics	Poster Only	155	Thursday		
Sohn, Hyun Joo	Anti-prion activity of (E)-3,4-dihydroxystyryl 2,3,4-trihydroxybutanoate against BSE-associated prion protein	Diagnostics/ Therapeutics	Poster Only	156	Thursday		
Yang, Dr. Lifeng	Early Minocycline and Late FK506 Treatment Improves Survival and Alleviates Neuroinflammation, Neurodegeneration, and Behavioral Deficits in Prion-Infected Hamsters	Diagnostics/ Therapeutics	Poster Only	157	Thursday		
An, Prof. Seong	Mutational analysis of PRNP in Creutzfeldt-Jakob disease and Alzheimer's disease in Korea	Disease Transmission/ Pathogenesis	Poster Only	158	Thursday		
Barron, Dr Rona	The relationship between PrPSc and TSE infectivity.	Disease Transmission/ Pathogenesis	Poster Only	159	Thursday		
Alibhai, Dr James	Establishment of human induced pluripotent stem cell derived astrocytes for modelling human prion disease in vitro	Disease Transmission/ Pathogenesis	Poster Only	160	Thursday		
Bourkas, Mr. Matthew	Generation and Characterization of CAD5 PrP Knockout Cells	Disease Transmission/ Pathogenesis	Poster Only	161	Thursday		
Bradford, Dr Barry	Prion pathogenesis is unaltered following the transient depletion of marginal zone B cells	Disease Transmission/ Pathogenesis	Poster Only	162	Thursday		
Abdulrahman, Dr. Basant	In search for an interplay between autophagy and exosomal release of prions	Disease Transmission/ Pathogenesis	Poster Only	163	Thursday		
Denkers, Dr. Nathaniel	CWD environmental contamination: assay of CWD prion binding to soil analyzed by magnetic extraction and real-time conversion	Disease Transmission/ Pathogenesis	Poster Only	164	Thursday		
Comoy, Dr Emmanuel	Transmission of macaque prion strains to transgenic mice expressing simian PrP	Disease Transmission/ Pathogenesis	Poster Only	165	Thursday		
Duque Velasquez, Mr Camilo	CWD strains in "resistant" deer PRNP genotypes	Disease Transmission/ Pathogenesis	Poster Only	166	Thursday		

Greenlee, Veterinary Medical Officer Justin	Passage of scrapie from white-tailed deer back to sheep results in a phenotype change	Disease Transmission/ Pathogenesis	Poster Only	167	Thursday		
Hassan, Dr Mohammad Farooque	Polymorphism and Sequence Analysis of Prion Protein Gene in Sheep Breeds of Pakistan	Disease Transmission/ Pathogenesis	Poster Only	168	Thursday		
Fast, Dr. Christine	Low levels of classical BSE infectivity in rendered fat tissue	Disease Transmission/ Pathogenesis	Poster Only	169	Thursday		
Kane, Sarah	Complement regulatory protein Factor H paradoxically promotes prion disease	Disease Transmission/ Pathogenesis	Poster Only	170	Thursday		
Kramm, Carlos	Prion strain polymorphic inter-conversion by PMCA	Disease Transmission/ Pathogenesis	Poster Only	171	Thursday		
McNulty, Erin	Multigenerational transmission of CWD prions from mother to offspring	Disease Transmission/ Pathogenesis	Poster Only	172	Thursday		
Meloni, Dr Daniela	Biosafety risk assessment: managing prion diseases in veterinary laboratories	Disease Transmission/ Pathogenesis	Poster Only	173	Thursday		
Miedema, Ms. Kaitlyn	Assessing the Role of Plants in Transmission of Chronic Wasting Disease	Disease Transmission/ Pathogenesis	Poster Only	174	Thursday		
Moore, Jo	Disease-associated prion protein detected in lymphoid tissues from pigs challenged with the agent of chronic wasting disease	Disease Transmission/ Pathogenesis	Poster Only	175	Thursday		
Nalls, Ms. Amy	Infectious CWD prions at the fetal-maternal interface	Disease Transmission/ Pathogenesis	Poster Only	176	Thursday		
Notari, PhD Silvio	Transmission study of human prion diseases in PrP glycan-KO transgenic mice	Disease Transmission/ Pathogenesis	Poster Only	177	Thursday		
Pirisinu, DVM Laura	Chronic Wasting Disease in European moose is associated with PrPSc features different from North American CWD	Disease Transmission/ Pathogenesis	Poster Only	178	Thursday		
Rontard, Mrs Jessica	Selective transfusional transmission of atypical prion diseases in the absence of functional immune system	Disease Transmission/ Pathogenesis	Poster Only	179	Thursday		
Spiropoulos, Dr John	Scrapie experimental challenge reveals novel phenotype which is not attributable to strain	Disease Transmission/ Pathogenesis	Poster Only	180	Thursday		
Thapa, Mrs Simrika	Modulation of protein quality control pathways reduces prion conversion in prion-infected cells	Disease Transmission/ Pathogenesis	Poster Only	181	Thursday		
Van Keulen, Dr Lucien	Primary transmission of field scrapie isolates to VM mice shows predominant isolation of 87A (and not 87V)	Disease Transmission/ Pathogenesis	Poster Only	182	Thursday		
Vanni, Dr. Silvia	Increased haemoglobin gene expression in vCJD brains	Disease Transmission/ Pathogenesis	Poster Only	183	Thursday		
Sikorska, Md, Phd Beata	Ultrastructure And Three Dimensional Imaging of Amyloid Deposits in Mouse Model of Chronic Wasting Disease	Disease Transmission/ Pathogenesis	Poster Only	184	Thursday		
ZHU, Mr Seng	Transfer of Disrupted-in-Schizophrenia 1 (DISC1) aggregates between neuronal-like cells occurs in tunneling nanotubes and is promoted by dopamine	Disease Transmission/ Pathogenesis	Poster Only	185	Thursday		
Alibhai, Dr James	Microglia in a protein misfolding environment have multiple complex responses which may determine susceptibility or resilience to neurodegeneration	Mechanisms of Neurodegeneration	Poster Only	186	Thursday		
Bradford, Dr Barry	Effect of the host gut microbiota on prion-induced neurodegeneration	Mechanisms of Neurodegeneration	Poster Only	187	Thursday		
Brown, Dr Debbie	Misfolded PrP is not always associated with formation of p-tau	Mechanisms of Neurodegeneration	Poster Only	188	Thursday		
CHEN, Prof. CAO	Aberrant alterations of the expressions and S-nitrosylation of calmodulin and the downstream factors in the brains of the rodents during scrapie infection	Mechanisms of Neurodegeneration	Poster Only	189	Thursday		
Correia, Ms. Angela	The role of cellular prion protein in Alzheimer's disease	Mechanisms of Neurodegeneration	Poster Only	190	Thursday		
Ezpeleta, Juliette	Protective role of cellular prion protein against TNF $\alpha$ -mediated inflammation	Mechanisms of Neurodegeneration	Poster Only	191	Thursday		
Gazit, Dr. Ehud	Metabolite Amyloids: A New Paradigm for Neurodegenerative Disorders and Potential Prion-Like Transmission	Mechanisms of Neurodegeneration	Poster Only	192	Thursday		
Goldmann, Dr Wilfred	Association between PrPC cleavage and caprine PRNP polymorphism at codon 222	Mechanisms of Neurodegeneration	Poster Only	193	Thursday		
Iwasaki, Yasushi	Neuropathological investigation of the olfactory bulb and olfactory tract in sporadic Creutzfeldt-Jakob disease	Mechanisms of Neurodegeneration	Poster Only	194	Thursday		
Kane, Sarah	PrPC is the master regulator of adaptive immunity	Mechanisms of Neurodegeneration	Poster Only	195	Thursday		
Martin-Burriel, Dr. Inmaculada	Epigenetic modifications in scrapie	Mechanisms of Neurodegeneration	Poster Only	196	Thursday		
Sang, Mr Chieh	Direct Observation of PrP Aggregation and Fragmentation in vitro Using Single-aggregate Imaging	Mechanisms of Neurodegeneration	Poster Only	197	Thursday		
Vire, Dr Emmanuelle	Blood transcriptomics in prion diseases	Mechanisms of Neurodegeneration	Poster Only	198	Thursday		
Shafiq, Mr Mohsin	Differential cerebral localization of prion protein in rapidly progressive Alzheimer's disease	Mechanisms of Neurodegeneration	Poster Only	199	Thursday		
Younas, Ms. Neelam	"RNA binding Proteome" leading to altered translational machinery: a missing link between rapid progressive AD & Prion diseases	Mechanisms of Neurodegeneration	Poster Only	200	Thursday		

Belousov, Dr. Mikhail	YghJ metalloprotease of Escherichia coli forms amyloid aggregates in vitro	Protein Biology - Function, Conversion, Dysfunction	Poster Only	201	Thursday		
Bondarev, PhD Stanislav	Mutation in previously uncharacterized oligopeptide repeat of Sup35p efficiently eliminates [PSI <sup>+</sup> ] prion	Protein Biology - Function, Conversion, Dysfunction	Poster Only	202	Thursday		
Condado Morales, Miss Itzel	Label-free sizing for the characterisation of prion proteins via FRET detection	Protein Biology - Function, Conversion, Dysfunction	Poster Only	203	Thursday		
Divya Teja, Ms Dondapati	Study of the membrane micro-domain localization of prion protein family members in N2a cells using a detergent free density gradient method	Protein Biology - Function, Conversion, Dysfunction	Poster Only	204	Thursday		
Chu, Mr Kuan Yu	Exploring the structure of mouse prion fibrils by site-directed spin-labeling and ESR spectroscopy	Protein Biology - Function, Conversion, Dysfunction	Poster Only	205	Thursday		
Gregori, Phd Luisa	Removal of transmissible spongiform encephalopathy agent by heparin purification process	Protein Biology - Function, Conversion, Dysfunction	Poster Only	206	Thursday		
Hackl, Ms Stefanie	Semisynthetic lipidated Prion protein variants change cellular membrane dynamics	Protein Biology - Function, Conversion, Dysfunction	Poster Only	207	Thursday		
Kamali Jamil, Mrs. Razieh	A Low-Resolution, Three-Dimensional Structure of L-type BSE Prions	Protein Biology - Function, Conversion, Dysfunction	Poster Only	208	Thursday		
Martellucci, Phd. Student Stefano	Morphine withdrawal modifies prion protein expression in rat hippocampus	Protein Biology - Function, Conversion, Dysfunction	Poster Only	209	Thursday		
Poleshchuk, Olga	New [PSI <sup>+</sup> ]-no-more mutations in SUP35	Protein Biology - Function, Conversion, Dysfunction	Poster Only	210	Thursday		
Requena, Prof. Jesús	The architecture of PrPSc: Threading secondary structure elements into the 4-rung $\beta$ -solenoid scaffold	Protein Biology - Function, Conversion, Dysfunction	Poster Only	211	Thursday		
Salzano, Phd Student Giulia	Structural studies on the fifth copper binding site in different mammalian prion proteins: new insights into specie barriers	Protein Biology - Function, Conversion, Dysfunction	Poster Only	212	Thursday		
Schmitt-Ulms, Phd Gerold	The human amyloid $\beta$ peptide interactome	Protein Biology - Function, Conversion, Dysfunction	Poster Only	213	Thursday		
Wang, Dr. Fei	Recombinant prion infectivity is encoded in the proteinase K resistant prion protein conformation	Protein Biology - Function, Conversion, Dysfunction	Poster Only	214	Thursday		
Selwyn, Ms. Vanessa	The core of the prion hypothesis: Deciphering how infectious proteins encrypt strain information	Protein Biology - Function, Conversion, Dysfunction	Poster Only	215	Thursday		
Shim, Su Yeon	Peptide aptamer binding to the prion protein hydrophobic core domain enhances PrPC a-cleavage	Protein Biology - Function, Conversion, Dysfunction	Poster Only	216	Thursday		
Sokolov, Petr	Statistical analysis of AFM, TEM and SEM micrographs of fibrils formed by the Sup35 yeast protein.	Protein Biology - Function, Conversion, Dysfunction	Poster Only	217	Thursday		
Zhouravleva, Professor Galina	Mutations in the SUP35 gene of Saccharomyces cerevisiae affecting the [PSI <sup>+</sup> ] prion properties	Protein Biology - Function, Conversion, Dysfunction	Poster Only	218	Thursday		
Czub, Stefanie	Frist evidence of intracranial and peroral transmission of Chronic Wasting Disease (CWD) into Cynomolgus macaques: a work in progress		Oral & Poster (Short)	219	Thursday	Thursday	Current clinical concerns of prion disease
Rudge, Peter	Serial neurophysiological assessments to detect the onset of	Diagnostics/Therapeutics	Poster Only	220	Thursday		
Dabin, Luke	Genome wide differential DNA methylation profiles in Creutzfeldt-Jakob disease peripheral blood	Diagnostics/Therapeutics	Poster Only	221	Wednesday		