Abstracts Prion 2022

First author	E-mail	Title	Topic	Topic No.
Abu Rumeileh, S.	samir.aburumeileh@uk-halle.de	Cerebrospinal fluid levels of prodynorphin and proenkephalin are differentially altered in sporadic Creutzfeldt-Jakob disease subtypes and reflect the divergent neuronal targeting	Human disease	**4.1.**
Altmeppen, H.C.	h.altmeppen@uke.de	The ADAM10-mediated shedding of human PrP: Cleavage site identification, antibody characterization, (patho)physiological insight and some peculiarities	Pathogenesis/mechanisms of neurodegeneration	**2.1.**
Andreoletti, O.	o.andreoletti@envt.fr	ARR/ARR genotype sheep show no resistance to ovine adapted c-BSE infection by the oral route	Human disease	**4.2.**
Andreoletti, O.	o.andreoletti@envt.fr	Prion infectivity accumulation in CJD patients peripheral tissues and its implication for public health	Human disease	**4.3.**

Appleby, B.	Bsa35@case.edu	Comprehensive Characterization of Genetic Creutzfeldt-Jakob Disease Caused by the E200K Mutation in the U.S.	Human disease	**4.4.**
Arifin, M.I.	maria.arifin@ucalgary.ca	Heterozygosity at cervid *Prnp* codon 138 progressively blocks prion conversion *in vitro* and partly confines prion propagation to the periphery in knock-in mice	Animal disease	**5.2.**
Arshad, H.	Hamza.arshad@mail.utoronto.ca	Cellular Model of Cross Species Prion Infection Utilizing Bank Vole PrP	Protein biology-function, conversion, dysfunction	**3.1.**
Astashonok, A.	micro.87@mail.ru	Pathomorhological analysis and atomic force microscopy examination of infectious prion protein, isolated from the brain with Creutzfeldt-Jakob disease	Human disease	**4.5.**
Baiardi, S.	simone.baiardi6@unibo.it	Inside the kuru-plaque variant (MV2K) of sporadic Creutzfeldt-Jakob disease: a detailed clinical and histo-molecular appraisal	Human disease	**4.6.**
Balash, Y.	yacovbalash@gmail.com	Incidences Trends of Creutzfeldt-Jakob Disease in Israel	Human disease	**4.7.**

Balkema-Buschmann, A.	anne.buschmann@fli.de	BSE pathogenesis in the ileal Peyer's patches and the central and peripheral nervous system of young cattle 8 months post oral BSE challenge	Pathogenesis/mechanisms of neurodegeneration	**2.2.**
Barrio, T.	tomas.barrio@envt.fr	Glycans are not necessary to maintain the pathobiological features of Bovine Spongiform Encephalopaty	Animal disease	**5.3.**
Bauer, S.	susanne.bauer@liu.se	Translational profiling of neuronal subtypes in pre-symptomatic fatal familial insomnia mice reveals TOR signaling in somatostatin-expressing neurons	Pathogenesis/mechanisms of neurodegeneration	**2.3.**
Benavente, M.R.	Maria.r.benavente@uth.tmc.edu	Large-scale PMCA screening of retropharyngeal lymph nodes and in white-tailed deer and comparisons with ELISA and IHC: the Texas CWD study.	Animal disease	**5.4.**
Benedetti, V.	Valerio.benedetti@izsto.it	A miRNA fingerprint in Plasma-derived extracellular vesicles of hSOD1G93A transgenic swine	Human disease	**4.8.**

Benilova, I.	i.benilova@prion.ucl.ac.uk	A multiparametric imaging-based cellular assay sensitive to the toxicity of prion-infected brain tissue demonstrates that purified highly infectious scrapie prions are not directly neurotoxic	Pathogenesis/mechanisms of neurodegeneration	**2.4.**
Berretta, A.	a.berretta@prion.ucl.ac.uk	Formation and localization of disease-associated PrP aggregates in primary neuronal and glial culture systems	Protein biology-function, conversion, dysfunction	**3.2.**
Berrone, E.	elena.berrone@izsto.it	The Amyloid Aggregation Study on board The International Space Station	Proteinopathies: Alzheimer's disease	**6.1.**
Betancor, M.	mbetancorcaro@gmail.com	Preclinincal biomarkers in scrapie: assessment of neurogranin (Ng) and neurofilament light chain (NfL)	Animal disease	**5.5.**
Bizet, N.	Nicolas.bizat@icm-institute.org	Identifying promising therapeutics drugs entering the brain for genetic prion diseases in C. elegans.	Pathogenesis/mechanisms of neurodegeneration	**2.5.**
Bizingre, C.	chloe.bizingre@parisdescartes.fr	Cross-disease implication of the PrP^{C}-PDK1-TACE pathway in amyloid-based neurodegenerative diseases.	Other proteinopathies	**9.1.**

Block, A.	Ajb30666@creighton.edu	Mechanisms of adaptation of synthetic prions in hamsters	Pathogenesis/mechanisms of neurodegeneration	**2.6.**
Blömeke, L.	l.bloemeke@fz-juelich.de	Quantitative Detection of α-Synuclein and Tau Oligomers and other Aggregates by Digital Single Particle Counting	Proteinopathies: Tau	**8.1.**
Bolakhrif, N.	Najoua.bolakhrif@hhu.de	Expression and characterization of the human full-length prion protein in Leishmania tarentolae	Protein biology-function, conversion, dysfunction	**3.3.**
Bolea, R.	rbolea@unizar.es	Proteomic analysis of cerebrospinal fluid in prion diseases	Animal disease	**5.7.**
Bravo-Risi, F.	Francisca.c.bravorisi@uth.tmc.edu	Detection of CWD prion in feces of naturally infected, pre-symptomatic, North American white-tailed deer.	Animal disease	**5.8.**
Bravo-Risi, F.	Francisca.c.bravorisi@uth.tmc.edu	Protein misfolding cyclic amplification (PMCA) as an ultra-sensitive technique for the screening of CWD prions in different sample types.	Animal disease	**5.9.**
Browne, D.	dfb50@case.edu	Hypochlorous acid solutions reduce disease-associated tau seeding activity	Proteinopathies: Tau	**8.2.**

Canaslan Eyyuboglu, S.	sezgi.canaslan@med.uni-goettingen.de	Validation of Plasma- and CSF-Neurofilament light chain as a marker for sporadic Creutzfeldt-Jakob disease	Human disease	**4.9.**
Candelise, N.	niccolo.candelise@gmail.com	Effect of the induction of chronic stress on cellular models of Amyotrophic Lateral Sclerosis	Other proteinopathies	**9.2.**
Caredio, D.	davide.caredio@usz.ch	High resolution spatial and temporal analysis of prion diseases	Animal disease	**5.10.**
Cécile, V.	Cecile.voisset@inserm.fr	New Anti-prion compounds able to reduce the pathologic aggregation of alpha-synuclein and PABPN1 and to lessen ER stress	Other proteinopathies	**9.3.**
Chang, S.C.	shengchun.chang@ucalgary.ca	PrP^{Sc} aggregation state does not affect efficiency of peripheral infection in two CWD strains	Pathogenesis/mechanisms of neurodegeneration	**2.7.**
Cherry, P.	pearl.cherry@ucalgary.ca	Loss of Rab7 activation leads to the impairments in cholesterol metabolism in prion infection.	Pathogenesis/mechanisms of neurodegeneration	**2.8.**

Christenson, P.	chri4161@umn.edu	A Field-Deployable Diagnostic Assay for the Visual Detection of Chronic Wasting Disease Prions	Animal disease	**5.11.**
Coleman, B.	Brianne.Coleman@colostate.edu	Longitudinal Profile of Specific Blood Cell Phenotypes Critical to Prionemia in Deer Inoculated with Chronic Wasting Disease	Animal disease	**5.12.**
Concha, L.	luis@ampriondx.com	Semi-quantitative αS-SAA detects no difference in αSyn seeds in CSF from prodromal to phenoconversion in longitudinal samples.	Proteinopathies: Alzheimer's disease	**6.2.**
Costa, M	FreireDiasdaCosta.Marcia@mh-hannover.de	A non-radioactive cell-free assay for detection of direct PERK activators	Proteinopathies: Tau	**8.3.**
Da Silva Correia, S.M.	Scorreia051@gmail.com	Optimization of the RT-QuIC in Prion disease diagnostic	Human disease	**4.10.**
Dafou, D.	dafoud@bio.auth.gr	Investigation of the role of RNA editing in immunoregulation in Creutzfeldt – Jakob disease pathogenesis	Pathogenesis/mechanisms of neurodegeneration	**2.9.**

Dafou, D.	dafoud@bio.auth.gr	Identification of biomarkers panels for differential diagnosis of Neurodegenerative Disorders	Human disease	**4.11.**
Dafou, D.	dafoud@bio.auth.gr	Isolation and Characterization of Natural Bioactive Polyphenols with Antioxidant and Anti-Prion Properties	Human disease	**4.12.**
DeFranco. J.	Joseph.DeFranco@colostate.edu	Assessing the effect of inoculation route on pathogenesis in CWD-susceptible gene targeted mice	Animal disease	**5.13.**
Dellavalle, S.	sofia.dellavalle@ausl.bologna.it	In vivo assessment of Lewy body copathology in idiopathic normal pressure hydrocephalus: Prevalence and associations with clinical features and surgery outcome	Proteinopathies: Synuclein	**7.1.**
Denkers, N.	nddenk@colostate.edu	Bioassay of Chronic Wasting Disease Prions Derived from Brain and Lymph Node in White-tailed Deer	Animal disease	**5.14.**

Denkers, N.	nddenk@colostate.edu	Effects of Montmorillonite Clay Adsorption on Chronic Wasting Disease Prion Seeding Activity and Infectivity in Deer	Animal disease	**5.15.**
Denkers, N.	nddenk@colostate.edu	Shedding of Chronic Wasting Disease Prions in Multiple Excreta Throughout Disease Course in White-tailed Deer	Animal disease	**5.16.**
Denouel, A.	angeline.denouel@aphp.fr	Study of sporadic Creutzfeldt-Jakob disease mortality in France between 1992 and 2016 using an Age-Period-Cohort model	Human disease	**4.13.**
Díaz Domínguez, C.M.	cdiaz@cicbiogune.es	Evaluation of naturally occurring polymorphic variants of the PrP from cervids as RT-QuIC substrates for the detection of multiple CWD strains	Animal disease	**5.17.**
Dimitriadis, A.	ucnvdim@ucl.ac.uk	Single-cell transcriptomics of mammalian prion diseases	Human disease	**4.14.**
Duque Velasquez, C.	duquevel@ualberta.ca	Peripheral prion accumulation in CWD-infected animals	Animal disease	**5.18.**

Duque Velasquez, C.	duquevel@ualberta.ca	Adaptation of chronic wasting disease (CWD) prion strains in hosts with different PRNP genotypes	Animal disease	**5.19.**
Dzhabrailov, I.	idzhabra@ualberta.ca	Optimizing inactivation of CWD prions with humic acid	Animal disease	**5.20.**
Farris, C.	carly@ampriondx.com	Seed Amplification Assay accurately detects misfolding α-Synuclein in CSF samples from PD and iRBD patients of the DeNoPa cohort.	Proteinopathies: Synuclein	**7.2.**
Fernandez Flores, L.C.	leticiacamila.fernandezflores@med.uni-goettingen.de	SFPQ as a plasma biomarker to distinguish Creutzfeldt - Jakob disease and rapidly progressive Alzheimer´s disease	Human disease	**4.15.**
Fischer, A.-L.	anna-lisa.fischer@med.uni-goettingen.de	The cellular prion protein as a potential receptor in neurodegenerative diseases	Human disease	**4.16.**
Fleming, M.	fleming@ualberta.ca	Optimizing prion vaccination in a transgenic mouse model of Gerstmann-Sträussler-	Human disease	**4.17.**
Foliaki, S.	simote.foliaki@nih.gov	Fatal Familial Insomnia in a cerebral organoid model	Pathogenesis/mechanisms of neurodegeneration	**2.10.**

Frese, A.	Alexis.Frese@usda.gov	The chronic wasting disease agent from white-tailed deer fails to adapt to sheep upon second passage	Animal disease	**5.21.**
Frid, K.	Kati.frid@gmail.com	Prion disease in TgMHu2ME199K mice skeletal muscle	Animal disease	**5.22.**
Gabizon. R.	gabizonr@gmail.com	Granagard as an anti-aging and neuroprotective agent in animals and humans suffering from neurological diseases	Pathogenesis/mechanisms of neurodegeneration	**2.11.**
Gelpi / Parchi	ellen.gelpi@meduniwien.ac.at & piero.**parchi**@unibo.it	The VM1 subtype of sporadic Creutzfeldt-Jakob disease: phenotypic and molecular characterization of a novel subtype of human prion disease	Human disease	**4.18.**
Gilch, S.	sgilch@ucalgary.ca	Transmission of Cervid Prions to Humanized Mice Demonstrates the Zoonotic Potential of CWD	Human disease	**4.19.**

Gonçalves-Anjo, N.	nunoanjo@utad.pt	Chronic wasting disease risk assessment in Portugal: analysis of variability and genetic structure of the Portuguese roe deer population	Animal disease	**5.23.**
Greenlee, J.	Justin.Greenlee@usda.gov	Cattle with the EK211 PRNP polymorphism are susceptible to the H-type bovine spongiform encephalopathy agent from either E211K or wild type donors after oronasal inoculation	Animal disease	**5.24.**
Groveman, B.	Bradley.groveman@nih.gov	Prion Disease in Human Cerebral Organoids	Pathogenesis/mechanisms of neurodegeneration	**2.12.**
Gurau, M.R.	otelea_maria@yahoo.com	ROMANIAN GOATS' GENETIC VARIABILITY OF PRNP GENE	Animal disease	**5.25.**
Haley, N.	nhaley@midwestern.edu	Selective breeding for rare PRNP variants in farmed whitetail deer in the management of chronic wasting disease	Animal disease	**5.26.**
Halim, H.A.	Hazim.halim.18@ucl.ac.uk	Infection of Neuronal Cells by extracellular PrP fibrils	Protein biology-function, conversion, dysfunction	**3.4.**

Harpaz, E.	erez.harpaz@nmbu.no	No evidence of uptake or propagation of reindeer CWD prions in environmentally exposed sheep	Animal disease	**5.27.**
Hassan, M.F.	drfaruqmatee@yahoo.com	Protein gene sequences analysis in twelve sheep breeds of Pakistan	Animal disease	**5.28.**
Hauksdóttir, E.	evahauks@hi.is	Prion genotypes in Icelandic scrapie flocks: The effect of removing rams with a VRQ allele from Icelandic breeding stations	Animal disease	**5.29.**
Hay, A.	Arielle.Hay@colostate.edu	Adipose-Derived Mesenchymal Stromal Cells Decrease Prion-Induced Glial Inflammation	Pathogenesis/mechanisms of neurodegeneration	**2.13.**
Herbst, A.	aherbst@usgs.gov	Proteomic analysis of cerebral spinal fluid and plasma from white-tailed deer infected with CWD	Animal disease	**5.30.**
Heyer, N.	nick.heyer@colostate.edu	Characterization of miRNA changes in Chronic Wasting Disease in Relation to Developing Early Detection Models	Animal disease	**5.31.**

Houston, E.F.	Fiona.houston@roslin.ed.ac.uk	Subclinical infection in sheep exposed to low doses of prions by blood transfusion.	Animal disease	**5.32.**
Hoyer, W.	wolfgang.hoyer@hhu.de	Clustering of human prion protein and α-synuclein oligomers requires the prion protein N-terminus	Proteinopathies: Synuclein	**7.3.**
Igel, A.	Angelique.igel@inrae.fr	Two new decontamination process effective against the variant- and the sporadic-VV2 CJD prion strains	Human disease	**4.20.**
Innocenti, N.	nicole.innocenti@unitn.it	Chemical Optimization of Cellular Prion Protein Degraders	Protein biology-function, conversion, dysfunction	**3.5.**
Jack, K.	k.jack@prion.ucl.ac.uk	The fidelity of prion templating in vitro depends on the identity of the prion strain	Protein biology-function, conversion, dysfunction	**3.6.**
Jackson, W.	Walker.jackson@liu.se	Cell type-specific translatome signatures in pre-onset prion disease mice	Pathogenesis/mechanisms of neurodegeneration	**2.14.**
Jang, B.	jang@hallym.ac.kr	Citrullinated GAPDH and vimentin in the pathology of prion diseases	Pathogenesis/mechanisms of neurodegeneration	**2.15.**
Jang, G.	snujang@snu.ac.kr	Germ-line transmission and generation of PRNP mutated cattle using CRISPR-Cas9	Animal disease	**5.33.**

Jansen, G.H.	gjansen@eorla.ca	Neuropathology of 8 patients of the New Brunswick cluster of Neurological Syndrome of Unknown Cause; human Chronic Wasting Disease or blue-green algae?	Human disease	**4.21.**
Kachkin, D.	Daniel.Kachkin@icloud.com	RAD51 demonstrates amyloid properties in vivo and in vitro	Protein biology-function, conversion, dysfunction	**3.7.**
Kanata Tsiami, E.	ekanata@bio.auth.gr	Prion photocatalytic inactivation	Animal disease	**5.34.**
Karapetyan, Y.	yervandkar@gmail.com	Long double stranded RNA is detected in 22L scrapie infected mouse brains	Animal disease	**5.35.**
Karner, D.	dubravka.karner@uniri.hr	Immunological role of cellular prion protein (PrP^{C}) during cytomegaloviral infection	Protein biology-function, conversion, dysfunction	**3.8.**
Karpuj, M.	Mvkarpuj@braude.ac.il	The combinatorial effect of chronic drug intake and microgravity on Amyloid formation	Protein biology-function, conversion, dysfunction	**3.9.**
Kim, Y.-C.	kych@jbnu.ac.kr	Large-scale lipidomic profiling identifies novel potential biomarkers for prion diseases and highlights lipid raft-related pathways	Animal disease	**5.36.**

Kincaid, A.	akincaid@creighton.edu	Mast Cells in Human Carotid Bodies Express PrP^{C}	Pathogenesis/mechanisms of neurodegeneration	**2.16.**
Klotz, S.	sigrid.klotz@meduniwien.ac.at	Increasing incidence of Creutzfeldt-Jakob-disease in Austria – An epidemiological Update	Human disease	**4.22.**
Kong, Q.	qxk2@case.edu	High transmissibility of splenic prions in cervidized transgenic mice as a diagnostic marker for CWD infection in human	Human disease	**4.23.**
Kong, Q.	qxk2@case.edu	Stable and highly zoonotic cervid prion strain is possible	Animal disease	**5.37.**
Konold, T.	timm.Konold@apha.gov.uk	Scratch a downer cow: improving clinical diagnosis of atypical BSE in cattle	Animal disease	**5.38.**
Korth, C.	ckorth@hhu.de	Aggregation and misassembly of the Disrupted-in-schizophrenia 1 (DISC1) protein defines a subset of patients with schizophrenia and recurrent affective disorders	Other proteinopathies	**9.4.**
Koshy, S.	SamKoshy@creighton.edu	Fast Axonal Transport of PrP^{Sc}	Pathogenesis/mechanisms of neurodegeneration	**2.17.**

Kraft, C.	ckraft@colostate.edu	Detection of Chronic Wasting Disease Muscle Tissue by PMCA RT-QuIC	Animal disease	**5.39.**
Kraft, C.	ckraft@colostate.edu	Nasal swab detection of prion shedding in CWD-infected white-tailed deer	Animal disease	**5.40.**
Krasemann, S.	s.krasemann@uke.de	mGluR5 inhibition delays cognitive decline and incubation time in a mouse model for prion disease, but only if applied before onset of symptoms	Pathogenesis/mechanisms of neurodegeneration	**2.18.**
Kraus, A.	Alk127@case.edu	High resolution structures of infectious mammalian prions reveal a common prion fold	Structure biology	**1.1.**
Kuznetsova, A.	alsu@ualberta.ca	PrP^{CWD} detection in soils from CWD endemic regions	Animal disease	**5.41.**
Ladhani, K.	kaetan.ladhani@nibsc.org	Comparision of PMCA perfomance using identical sets of vCJD tissue homogentes spiked into blood components.	Human disease	**4.24.**
Lambert, Z.	zlambert@iastate.edu / Zoe.Lambert@usda.gov	Second passage of scrapie in white-tailed deer is discernable from chronic wasting disease.	Animal disease	**5.42.**

Larsen, P.	plarsen@umn.edu	Characterizing inhibitory effects of metal ions on CWD prion amyloid formation using RT-QuIC	Animal disease	**5.1.**
Lavigna, G.	giada.lavigna@marionegri.it	Doxycycline rescues recognition memory and circadian motor rhythmicity but does not prevent terminal disease in fatal familial insomnia mice	Pathogenesis/mechanisms of neurodegeneration	**2.19.**
Lawson, V.	vlawson@unimelb.edu.au	Modulation of PrP^{C} expression affects cancer progression in vivo.	Protein biology-function, conversion, dysfunction	**3.10.**
Liberski, P.P.	ppliber@csk.umed.lodz.pl	What happened to the pierrot? – painting alterations of the patient with Alzheimer's disease and Lewy body dementia	Human disease	**4.25.**
Lindner, E.	ewald.lindner@medunigraz.at	Influence of Cobalamin levels on Prion protein expression	Human disease	**4.26.**
López Lorenzo, N.	nuria.lopez.lorenzo2@usc.es	A non-PrP^{Sc} PrP prion	Structure biology	**1.2.**
Lyudmyla, D.	dorosh@ualberta.ca	In silico study of drugs docking against cellular, mutated and scrapie forms of prion protein	Structure biology	**1.3.**

M. Charco, J.	jmoreno.atlas@cicbiogune.es	GSS A117V and a mouse model expressing bank vole PrPC as a fast and versatile model to monitor potential treatments for human prion diseases.	Human disease	**4.27.**
Maddox, R.	rmaddox@cdc.gov	Prion disease incidence, United States, 2003-2020	Human disease	**4.28.**
Maddox, R.	rmaddox@cdc.gov	Mortality surveillance of persons potentially exposed to chronic wasting disease	Human disease	**4.29.**
Majbour, N.	n.majbour@ucl.ac.uk	Biomarker-driven phenotyping for Alzheimer's disease and related dementia	Proteinopathies: Alzheimer's disease	**6.3.**
Martinez Moreno, D.	Dam3@ualberta.ca	Chronic Wasting Disease Interaction with Agricultural Crops	Animal disease	**5.43.**
Masone, A.	antonio.masone@marionegri.it	Generation and characterization of a PrP-HaloTag chimera to study the cellular trafficking and metabolism of PrP	Protein biology-function, conversion, dysfunction	**3.11.**
Masone, A.	antonio.masone@marionegri.it	A tetracationic porphyrin with dual anti-prion activity	Protein biology-function, conversion, dysfunction	**3.12.**

Matamoros Angles, A.	a.matamorosangles@uke.de	Behavioral deficits, learning impairment, and enhanced hippocampal excitability in co-isogenic $Prnp^{ZH3/ZH3}$ mice	Protein biology-function, conversion, dysfunction	**3.13.**
Matsubayashi, T.	taiki.matsubayashi55135@gmail.com	Specific electroencephalogram features in the very early phases of sporadic Creutzfeldt–Jakob disease	Human disease	**4.30.**
Mazza. M.	maria.mazza@izsto.it	Are rapid tests and confirmatory western blot for cattle and small ruminants reliable tools for the diagnosis of Chronic Wasting Disease in Europe?	Animal disease	**5.44.**
McKenzie, N.	nmckenz2@ed.ac.uk	Performance of second generation CSF RT-QuIC in a clinical CJD Surveillance setting	Human disease	**4.31.**
McNulty, E.	eem@colostate.edu	Multigenerational Chronic Wasting Disease Mother to Offspring Transmission in Reeves' muntjac deer	Animal disease	**5.45.**
Mead, S/Hill, E.	s.mead@prion.ucl.ac.uk/e.hill@prion.ucl.ac.uk	Knockout Mice for the Sporadic CJD Risk Gene STX6 are Overtly Healthy, but have Extended Incubation Times to Mouse Prions	Pathogenesis/mechanisms of neurodegeneration	**2.20.**

Milovanovic, D.	dragomir.milovanovic@dzne.de	alpha-Synuclein as a surfactant of synaptic condensates	Proteinopathies: Synuclein	**7.4.**
Miyazawa, K.	miyazawak@affrc.go.jp	Appearance of new scrapie prion strain by the conformational rearrangement of parental scrapie prion strain through serial transmission in wild-type mice	Animal disease	**5.46.**
Mohammadi, B.	b.mohammadi@uke.de	Fighting prion diseases with released PrP (fragments): transgenic overexpression of N1(Fc) prolongs incubation time in RML-infected mice	Protein biology-function, conversion, dysfunction	**3.14.**
Morales, R.	rodrigo.moralesloyola@uth.tmc.edu	Nasal bot: an emerging vector for natural chronic wasting disease transmission	Animal disease	**5.47.**
Moreno, J.	Julie.moreno@colostate.edu	Detection of misfolded proteins and other biomarkers in the blood and cerebral spinal fluid of the naturally occuring syndrom canine cognitive decline	Other proteinopathies	**9.5.**
Moško, T.	tibor.mosko@lf1.cuni.cz	Photodynamic inactivation of prions reduces infectivity in mouse bioassay but not seeding activity in RT-QuIC.	Protein biology-function, conversion, dysfunction	**3.15.**

Mostoslavsky, G.	gmostosl@bu.edu	Modeling Creutzfeldt-Jakob Disease using human iPSC-derived Neurons and Brain Organoids	Human disease	**4.32.**
Myskiw, J.	myskiwj@myumanitoba.ca	Strain Profiles of Sporadic Creutzfeldt-Jakob Disease in Canada	Human disease	**4.33.**
Nakagaki, T.	t-nakagaki@nagasaki-u.ac.jp	An undiagnosed case of prion disease found in donated bodies for anatomical practice of medical students	Human disease	**4.34.**
Nalls, A.	amy.nalls@colostate.edu	Robust hematogenous prion detection in CWD-infected deer throughout disease course.	Animal disease	**5.48.**
Ness, A.	amness@ualberta.ca	Chronic wasting disease prions in mule deer interdigital glands	Animal disease	**5.49.**
Nicholson, E.	Eric.Nicholson@usda.gov	Serial RT-QuIC to increase sensitivity and specificity for CWD	Animal disease	**5.50.**

Nurit, O.	nurito@tlvmc.gov.il	Cerebrospinal fluid (CSF) and Plasma Biomarkers in patients with genetic Creutzfeldt-Jakob disease (gCJD) and healthy relatives, carriers of the E200K mutation: Results from an ongoing longitudinal study.	Human disease	**4.35.**
Nyström, S.	Sofie.nystrom@liu.se	Amyloidogenesis of SARS-COV-2 Spike protein cause impaired fibrinolysis in vitro	Protein biology-function, conversion, dysfunction	**3.16.**
Otero, A.	aliciaogar@unizar.es	Identification of biomarkers associated with endoplasmic reticulum stress and proteasome impairment in natural scrapie	Pathogenesis/mechanisms of neurodegeneration	**2.21.**
Pal, R.	R.Pal@sms.ed.ac.uk	Innate immune tolerance in microglia does not impact on CNS prion disease	Pathogenesis/mechanisms of neurodegeneration	**2.22.**
Panning Pearce, M.	m.pearce@uscience s.edu	Phagocytic glia mediate prion-like spreading of mutant huntingtin aggregates in Drosophila brains	Other proteinopathies	**9.7.**

Park, S.J.	sypark@chonbuk.ac.kr	Calcium-dependent serine-threonine phosphatase and calcineurin inactivation mediated by baicalein attenuates prion protein-mediated neuronal cell damage	Pathogenesis/mechanisms of neurodegeneration	**2.23.**
Parrie, L.E.		Assessment of peripheral vs. brain CWD prions in a gene-targeted mouse model	Animal disease	**5.51.**
Pereira, J.	jcpereira@utad.pt	Determining prion protein gene (PRNP) genetic variability in portuguese cervidae population. An important task in chronic wasting disease (CWD) risk assessment projet in Portugal.	Animal disease	**5.52.**
Pérez Lázaro, S.	soniaperez@unizar.es	Blood microRNA sequencing in prion diseases	Animal disease	**5.53.**
Pritzkow, S.	Sandra.Pritzkow@uth.tmc.edu	Application of PMCA to understand CWD prion strains, species barrier and zoonotic potential	Proteinopathies: Alzheimer's disease	**6.4.**
Puig, B.	b.puig-martorell@uke.de	A role for PrP^{C} in the cellular uptake of extracellular vesicles	Protein biology-function, conversion, dysfunction	**3.17.**

Raisley, E.	eraisley@colostate.edu	Transmission properites of North American sheep scrapie prions in transgenic mouse models	Animal disease	**5.54.**
Rathod, V.	vrathod@ualberta.ca	Specific labeling of native PrPSc in RML-infected CAD5 cells using a single-chain fluobody	Structure biology	**1.4.**
Rathod, V.	vrathod@ualberta.ca	In-vitro refolding of the 7kDa A117V GSS peptide	Structure biology	**1.5.**
Rayner, M.	m.rayner@ucl.ac.uk	Development of a cell-based bioassay to propagate human variant Creutzfeldt-Jakob disease prions.	Human disease	**4.36.**
Ribeiro, L.	lf.ribeiro@outlook.fr	Titanium dioxide and carbon black nanoparticles disrupt neuronal homeostasis via excessive activation of PrP^c signaling	Proteinopathies: Alzheimer's disease	**6.5.**
Roseman, G.	Graham.roseman@yale.edu	The Expression and Purification of GPI Anchored and Glycosylated PrPC for Use in Structural Studies	Structure biology	**1.6.**
Rowden, G.	rowde002@umn.edu	Standardization of Data Analysis for RT-QuIC-based detection of Chronic Wasting Disease	Animal disease	**5.55.**

Ruiz Riquelme, A.I.	alejandroivan.ruiz@usc.es	AMYSEEDS: TARGETING AMYLOID BETA SEEDS AT THE INITIAL STAGE OF ALZHEIMER'S DISEASE	Proteinopathies: Alzheimer's disease	**6.6.**
Sampedro-Torres-Quevedo, C.	csampedro@cicbiogune.es	Revisiting phylogeny within the class Mammalia using the prion protein sequence from hundreds of species	Protein biology-function, conversion, dysfunction	**3.18.**
Sandberg, M.K.	m.sandberg@prion.ucl.ac.uk	Strain interference in brain from FVB mice exposed to ME7 and RML prions.	Protein biology-function, conversion, dysfunction	**3.19.**
Sandoval, A.	Audrey.Sandoval@rams.colostate.edu	In utero transmission of chronic wasting disease in free-ranging white-tailed deer	Animal disease	**5.56.**
Schätzl, H.	hschaetz@ucalgary.ca	Combining vaccination with genetic resistance to protect caribou against CWD	Animal disease	**5.57.**
Schmitt-Ulms, G.	g.schmittulms@utoronto.ca	Targeting sodium-potassium pumps for the treatment of prion diseases	Human disease	**4.37.**

Schneider, B.	benoit.schneider@parisdescartes.fr	Loss of prion protein control of glucose metabolism contributes to neurodegeneration: dichloroacetate as a promising medicine to treat Creutzfeldt-Jakob disease.	Pathogenesis/mechanisms of neurodegeneration	**2.24.**
Sellitto, S.	Stefano.Sellitto@usz.ch	Investigate the genetic and molecular landscape of the hnRNP K cellular essentiality by performing unbiased CRISPR screens	Protein biology-function, conversion, dysfunction	**3.20.**
Sevenich, M.	marc.sevenich@priavoid.com	Stabilization of monomeric α-synuclein by all-D-enantiomeric peptide ligands as therapeutic strategy for Parkinson's disease and other synucleinopathies	Proteinopathies: Synuclein	**7.5.**
Shafiq, M.	m.shafiq@uke.de	Extracellular vesicles in the pathophysiology of Alzheimer's disease: understanding the role of the prion protein	Proteinopathies: Alzheimer's disease	**6.7.**
Sharma, N.	nitivinay@yahoo.co.in, nitisharma@gachon.ac.kr	Compilation of Research on Prion therapeutics	Other proteinopathies	**9.8.**
Sikorska, B.	beata.sikorska@umed.lodz.pl	Multi-centric plaques in kuru: a fingerprint of its origin	Human disease	**4.38.**

Silbak, R.	silbakrawan@gmail.com	DTI Abnormalities in Healthy E200K Carriers May Serve as an Early Biomarker for Genetic Creutzfeldt-Jakob Disease (gCJD)	Human disease	**4.39.**
Sklaviadis, T.	sklaviad@pharm.auth.gr	RNA Editing in Neurodegenerative Disorders	Pathogenesis/mechanisms of neurodegeneration	**2.25.**
Slota, J.	slotaj@myumanitoba.ca; jessy.slota@phac-aspc.gc.ca	Single cell transcriptional profiling of the cortex and hippocampus from mice infected with RML scrapie	Pathogenesis/mechanisms of neurodegeneration	**2.26.**
Sohn, H.J.	shonhj@korea.kr	Detection of PrP^{CWD} in ear skin from CWD affected cervid	Animal disease	**5.58.**
Sohn, H.J.	shonhj@korea.kr	Distribution of PrP^{CWD} in tissues of CWD affected sika deer using RT-QuIC following experimental oral transmission	Animal disease	**5.59.**
Soto, P.	Paulina.i.sotosoto@uth.tmc.edu	Chronic wasting disease detection in environmental and biological samples from a taxidermy site.	Animal disease	**5.60.**
Soto, P.	Paulina.i.sotosoto@uth.tmc.edu	Carrot plants as potential vectors for CWD transmission.	Animal disease	**5.61.**

Soukup, J.	Jakub.soukup@lf1.cuni.cz	Large and small extracellular vesicles differ in the level of prion associated infectivity in cell culture	Protein biology-function, conversion, dysfunction	**3.21.**
Spiropoulos, J.	John.spiropoulos@apha.gov.uk	Transmission of CH1641 in cattle	Animal disease	**5.62.**
Standke, H.	hgs40@case.edu	4R tau seeds are a prevalent co-pathology across neurodegenerative diseases	Proteinopathies: Tau	**8.4.**
Stepanova, M.	ms1@ualberta.ca	Structure and dynamics of alpha-sunuclein interaction with fibrillary seeds	Structure biology	**1.7.**
Striebel, J.	striebelj@nih.gov	Mechanisms of prion-induced damage in retina: Roles of microglia and sites of PrPSc deposition	Pathogenesis/mechanisms of neurodegeneration	**2.27.**
Suleiman, S.	ssuleim2@ed.ac.uk	Faithful propagation of vCJD prions from frozen and fixed central nervous system and appendix tissues using highly sensitive Protein Misfolding Cyclic Amplification	Human disease	**4.40.**
Sun, J.	Julianna.sun@colostate.edu	Detailed investigation of the role played by residue 226 of PrP in chronic wasting disease pathogenesis and strain selection	Animal disease	**5.63.**

Telling, G.	glenn.telling@colostate.edu	A diverse spectrum of novel strains among Nordic cervids with chronic wasting disease.	Animal disease	**5.64.**
Thomas, C.	Charlotte.Thomas@ed.ac.uk	Comparison of in vitro tests (PMCA and RT-QuIC) and bioassay for longitudinal prion detection in preclinical blood samples from BSE infected sheep.	Animal disease	**5.65.**
Thorgeirsdottir, S.	stef@hi.is	Widespread search for potentially protective prion protein variants in the Icelandic sheep population delivers promising results.	Animal disease	**5.66.**
Torres J.M. / Canoyra S.	jmtorres@inia.csic.es / sara.canoyra@inia.csci.es	Conformational shift as the evolutionary mechanism for classical BSE emergence from atypical scrapie	Animal disease	**5.67.**
Trevisan, C.	Chiara.Trevisan@usz.ch	Arrayed CRISPR activation screen of the human transcription factors to identify modifiers of prion protein PrPC	Protein biology-function, conversion, dysfunction	**3.22.**
True, H.	heather.true@wustl.edu	Prion conformer-dependent Chaperone interactions in a chaperonopathy	Protein biology-function, conversion, dysfunction	**3.23.**

Tsukamoto, T.	tukamoto@ncnp.go.jp	Prion disease features in Japan according to the national surveillance from 1999 to 2022	Human disease	**4.41.**
Vanni, I.	ilaria.vanni@iss.it	An optimized western blot method for the analysis of PrP^C endoproteolytic cleavages	Protein biology-function, conversion, dysfunction	**3.24.**
Vidal Barba, E.	enric.vidal@irta.cat	ATYPRION project: assessing the zoonotic potential of interspecies transmission of CWD isolates to livestock (preliminary results).	Animal disease	**5.68.**
Wadsworth, J.	j.wadsworth@prion.ucl.ac.uk	Transmission properties of 129MV vCJD prions in humanized transgenic mice	Human disease	**4.42.**
Wang, Fei	Fei.Wang.1@uth.tmc.edu	Faithful propagation of prion strain-specific conformation to recombinant protein	Protein biology-function, conversion, dysfunction	**3.25.**
Wang, Y.	yuewang306@gmail.com	Loss of homeostatic microglia in prion diseases	Pathogenesis/mechanisms of neurodegeneration	**2.28.**
Waqas, T.	waqas.tahir@inspection.gc.ca	Successful Oral Transmission of Atypical BSE in Cattle	Animal disease	**5.69.**

Wickner, R.	wickner@helix.nih.gov	Anti-prion systems in yeast cooperate to cure or prevent the generation of nearly all variants of the [PSI+] and [URE3] prions in normal cells	Other proteinopathies	**9.9.**
Willbold, D.	d.willbold@fz-juelich.de	Ex vivo target engagement of the Abeta oligomer disassembling compound RD2 in patient derived brain homogenates	Proteinopathies: Alzheimer's disease	**6.8.**
Willows, S.	Steven.Willows@nrc-cnrc.gc.ca	PrP shedding from mast cells is dependent upon proteases released during degranulation	Protein biology-function, conversion, dysfunction	**3.26.**
Windl, O.	Otto.Windl@med.uni-muenchen.de	A case of probable Creutzfeldt-Jakob disease with the PrP G114V mutation	Human disease	**4.43.**
Xanthopoulos, K.	kostas.sharma@gmail.com	Evaluation of the therapeutic action of poly(propylene Imine) glycodendrimers in prion disease mouse model	Human disease	**4.44.**
Xylaki, M.	maria.xylaki@med.uni-goettingen.de	Pathological alpha-synuclein profiling in nasal specimens of patients with Parkinson's disease	Proteinopathies: Synuclein	**7.6.**

Yarahmady, A.	yarahmad@ualberta.ca	Structural and Kinetic Characterization of Disease Associated Tau Mutants	Proteinopathies: Tau	**8.5.**
Younas, N.	neelam.younas@med.uni-goettingen.de	Interactome remodeling of prion/prion-like proteins in response to oxidative stress	Protein biology-function, conversion, dysfunction	**3.27.**
Yuan, Q.	qiyuan@creighton.edu	Quantitative measurements of chronic wasting disease prions recovered from swab samples and environmentally relevant surfaces	Animal disease	**5.70.**
Zafar, S.	sz_awaan@yahoo.com	Prion-like characteristics of Amyloid-β deriving clinical variants of Alzheimer's disease	Proteinopathies: Alzheimer's disease	**6.9.**
Zanusso, G.	gianluigi.zanusso@univr.it	Improved detection of pathological α-synuclein in olfactory mucosa of patients with Parkinson's disease	Proteinopathies: Synuclein	**7.7.**
Zattoni, M.	mzattoni@sissa.it	Serpins in prion diseases	Pathogenesis/mechanisms of neurodegeneration	**2.29.**

Zeni, I.	ilaria.zeni@unitn.it	An imaging-based bimolecular fluorescence complementation assay to screen for unconjugated degraders for the cellular prion protein.	Protein biology-function, conversion, dysfunction	**3.28.**
Zhang, Q.	Qzhang5@albany.edu	Chemical Synthesis of Prion Protein	Structure biology	**1.8.**
Zou, W.-Q.	wxz6@case.edu	Characterization of a novel prion protein mutation of serine to proline at residue 245 linked to VPSPr-like phenotype in vivo and in vitro	Human disease	**4.45.**