



SCIENTIFIC PAPERS

Aguzzi A. Prion diseases of humans and farm animals: epidemiology, genetics, and pathogenesis. *J Neurochem.* 2006;**97**(6):1726-39.

Appel TR, Lucassen R, Groschup MH et al. Acid inactivation of prions: efficient at elevated temperature or high acid concentration. *J Gen Virol.* 2006;**87** (5); 1385-94

Armstrong RA, Cairns NJ, Ironside JW. Size frequency distributions of the florid prion protein aggregates in variant Creutzfeldt-Jakob disease follow a power-law function. *Neurol Sci.* 2006;**27**(2):104-9.

Asante EA, Linehan JM, Gowland I et al. Dissociation of pathological and molecular phenotype of variant Creutzfeldt-Jakob disease in transgenic human prion protein 129 heterozygous mice. *Proc Natl Acad Sci U S A.* 2006;**103**(28):10759-64]

Ballerini C, Gourdain P, Bachy V et al. Functional implication of cellular prion protein in antigen-driven interactions between T cells and dendritic cells. *J Immunol.* 2006;**176** (12): 7254-62

Bautista MJ, Gutierrez J, Salguero FJ et al. BSE infection in bovine PrP transgenic mice leads to hyperphosphorylation of tau-protein. *Veterinary Microbiology.* 2006; **115** (4): 293-301

Bellagamba F, Comincini S, Ferretti L et al. Application of quantitative real-time PCR in the detection of prion-protein gene species-specific DNA sequences in animal meals and feedstuffs. *J Food Prot.* 2006;**69** (4): 891-6

Bulgin MS, Sorensen SJ, Matlock ME. Association between incubation time and genotype in sheep experimentally inoculated with scrapie-positive brain homogenate. *Am J Vet Res.* 2006;**67** (3): 498-4

Cervia JS, Sowemimo-Coker SO, Ortolano GA *et al.* An overview of prion biology and the role of blood filtration in reducing the risk of transfusion-transmitted variant creutzfeldt-jakob disease. *Transfus Med Rev.* 2006;**20**(3):190-206.

Chaput N, Flament C, Viaud S *et al.* Dendritic cell derived-exosomes: biology and clinical implementations. *J Leukoc Biol.* 2006 Jun 29; [Epub ahead of print]

Collinge J, Whitfield J, McKintosh E *et al.* Kuru in the 21st century--an acquired human prion disease with very long incubation periods. *Lancet.* 2006;**367**(9528):2068-74.

DeJoia C, Moreaux B, O'Connell K *et al.* Prion infection of oral and nasal mucosa. *J Virol.* 2006;**80**(9):4546-56.

Everest SJ, Thorne L, Barnicle DA *et al.* Atypical prion protein in sheep brain collected during the British scrapie-surveillance programme. *J Gen Virol.* 2006;**87**:471-7.

Gale P. The infectivity of transmissible spongiform encephalopathy agent at low doses: the importance of phospholipids. *J Appl Microbiol.* 2006 ;**101**:261-74.

Golding MC, Long CR, Carmell MA *et al.* Suppression of prion protein in livestock by RNA interference. *Proc Natl Acad Sci U S A.* 2006;**103** (14) 5285-90

Greenwood J, Green N, Power G. Protein contamination of the Laryngeal Mask Airway and its relationship to re-use. *Anaesth Intensive Care.* 2006;**34**(3):343-6.

Hamir AN, Kunkle RA, Miller JM *et al.* Abnormal prion protein in ectopic lymphoid tissue in a kidney of an asymptomatic white-tailed deer experimentally inoculated with the agent of chronic wasting disease. *Vet Pathol.* 2006;**43**(3):367-9.

Ingrosso L, Novoa B, Dalla Valle AZ *et al.* Scrapie infectivity is quickly cleared in tissues of orally-infected farmed fish. *BMC Vet Res.* 2006 Jun 15;**2**(1):21

Ironside JW, Bishop MT, Connolly K *et al.* Variant Creutzfeldt-Jakob disease: prion protein genotype analysis of positive appendix tissue samples from a retrospective prevalence study. *BMJ.* 2006;**332** (7551): 1186-8

Iwata N, Sato Y, Higuchi Y *et al.* Distribution of PrP(Sc) in cattle with bovine spongiform encephalopathy slaughtered at abattoirs in Japan. *Jpn J Infect Dis.* 2006 ;**59**(2):100-7.

Jackman R, Everest DJ, Schmerr MJ *et al.* Evaluation of a preclinical blood test for scrapie in sheep using immunocapillary electrophoresis. *J AOAC Int.* 2006;**89**(3):720-7.

Jeffrey M, Gonzalez L, Espenes A et al. Transportation of prion protein across the intestinal mucosa of scrapie-susceptible and scrapie-resistant sheep. *J Pathol.* 2006; **209** (1): 4-14

Johnson C, Johnson J, Vanderloo JP et al. Prion protein polymorphism in white-tailed deer influence susceptibility to chronic wasting disease." *J Gen Virol.* 2006;**87** (7): 2109-14

Klingeborn M, Wik L, Simonsson M et al. Characterization of proteinase K-resistant N- and C-terminally truncated PrP in Nor98 atypical scrapie. *J Gen Virol.* 2006;**87**(Pt 6):1751-60.

Konold T, Sivam SK, Ryan J et al. Analysis of clinical signs associated with bovine spongiform encephalopathy in casualty slaughter cattle. *Vet J.* 2006;**171**(3):438-44.

Lasmezas CI. Of mice and men ... and vCJD. *Lancet Neurol.* 2006;**5**(5):374-5.

Lezmi S, Ronzon F, Bencsik A et al. PrP(d) accumulation in organs of ARQ/ARQ sheep experimentally infected with BSE by peripheral routes. *Acta Biochim Pol.* 2006;**53**(2):399-405.

Lezmi S, Bencsik A, Baron T. PET-blot Analysis Contributes to BSE Strain Recognition in C57Bl/6 Mice. *J Histochem Cytochem.* 2006; [Epub ahead of print]

Ligios C, Cancedda MG, Madau L et al. PrP(Sc) deposition in nervous tissues without lymphoid tissue involvement is frequently found in ARQ/ARQ Sarda breed sheep preclinically affected with natural scrapie. *Arch Virol.* 2006; [Epub ahead of print]

Mead S. Prion disease genetics. *Eur J Hum Genet.* 2006;**14**(3):273-81.

Milhavet O, Casanova D, Chevallier N et al. Neural stem cell model for prion propagation. *Stem Cells.* 2006; [Epub ahead of print]

Mitsuiki S, Hui Z, Matsumoto D et al. Degradation of PrP(Sc) by Keratinolytic Protease from *Nocardia* sp. TOA-1. *Biosci Biotechnol Biochem.* 2006; **70**(5):1246-8.

Piening N, Nonno R, Di Bari M et al. Conversion efficiency of bank vole prion protein in vitro is determined by residues 155 and 170 but does not correlate with the high susceptibility of bank voles to sheep scrapie in vivo. *J Biol Chem.* 2006; **281** (14) 9373-9384

Ponz R, Tejedor MT, Monteagudo LV et al. Scrapie resistance alleles are not associated with lower prolificity in Rasa Aragonesa sheep. *Res Vet Sci.* 2006;**81**(1):37-9.

Priola SA, Vorberg I. Molecular aspects of disease pathogenesis in the transmissible spongiform encephalopathies. *Mol Biotechnol.* 2006 ;**33**(1):71-88.

Ricchelli F, Buggio R, Drago D et al. Aggregation/Fibrillogenesis of Recombinant Human Prion Protein and Gerstmann-Straussler-Scheinker Disease Peptides in the Presence of Metal Ions. *Biochemistry.* 2006;**45**(21):6724-32.

Rybner-Barnier C, Jacquemot C, Cuche C et al. Processing of the bovine spongiform encephalopathy-specific prion protein by dendritic cells. *J Virol.* 2006;**80**(10):4656-63.

Saa P, Castilla J and Soto C. Presymptomatic detection of prion protein in blood. *Science.* 2006;**313**:92-4

Sales N. What can we learn from the oral intake of prions by sheep? *J Pathol.* 2006;**209** (1): 1-3

Skinner PJ, Abbassi H, Chesebro B et al. Gene expression alterations in brains of mice infected with three strains of scrapie. *BMC Genomics.* 2006;**7**(1):114

Stack M, Jeffrey M, Gubbins S et al. Monitoring for bovine spongiform encephalopathy in sheep in Great Britain, 1998-2004. *J Gen Virol.* 2006;**87**:2099-107.

Touzeau S, Chase-Topping ME, Matthews L et al. Modelling the spread of scrapie in a sheep flock: evidence for increased transmission during lambing seasons. *Arch Virol.* 2006;**151**(4):735-51.

Treiber C, Simons A, Multhaup G. Effect of copper and manganese on the de novo generation of protease-resistant prion protein in yeast cells. *Biochemistry.* 2006;**45**(21):6674-80.

Trevitt CR, Collinge J. A systematic review of prion therapeutics in experimental models. *Brain.* 2006 Jul 1; [Epub ahead of print]

Unterberger U, Hoftberger R, Gelpi E et al. Endoplasmic reticulum stress features are prominent in Alzheimer disease but not in Prion disease in vivo. *J Neuropathol Exp Neurol.* 2006;**65**(4):348-57.

Vaccari G, Di Bari MA, Morelli L et al. Identification of an allelic variant of the goat PrP gene associated with resistance to scrapie. *J Gen Virol.* 2006; **87** (5) 1395-402

Vidal E, Marquez M, Tortosa R et al. Immunohistochemical approach to the pathogenesis of bovine spongiform encephalopathy in its early stages. *J Virol Methods*. 2006;**134**(1-2):15-29.

Vitezica ZG, Moreno CR, Bodin L et al. No associations between PrP genotypes and reproduction traits in INRA 401 sheep. *J Anim Sci*. 2006;**84**(6):1317-22.

Wadsworth JD, Joiner S, Linehan JM et al. Phenotypic heterogeneity in inherited prion disease (P102L) is associated with differential propagation of protease-resistant wild-type and mutant prion protein. *Brain*. 2006; [Epub ahead of print]

Wilson K, Ricketts MN. A new human genotype prone to variant Creutzfeldt-Jakob disease. *BMJ*. 2006;**332**(7551):1164-5.

Opinion of the Scientific Panel on Biological Hazards of the European Food Safety Authority on the BSE risk from cohort animals: bovine hides and skins for technical purposes, 28 June 2006.

Opinion on: Chinese report on possible residual BSE risk in products derived from ruminant materials and used as cosmetics ingredients - adopted by the SCENIHR during the 12th plenary meeting of 20 June 2006.

WHO Guidelines on tissue infectivity distribution in transmissible spongiform encephalopathies - 2006