

Prion publications from the NeuroPrion partners

- 2008 -

- **Acutis, P. L., S. Colussi, G. Santagada, C. Laurenza, M. G. Maniaci, M. V. Riina, S. Peletto, W. Goldmann, A. Bossers, M. Caramelli, I. Cristoferi, S. Maione, P. Sacchi, and R. Rasero.** 2008. Genetic variability of the PRNP gene in goat breeds from Northern and Southern Italy. *J Appl Microbiol* **104**:1782-9.
- **Adjou, K. T., P. Dilda, P. Aumond, S. Gueddari, J. P. Deslys, D. Dormont, and M. Seman.** 2008. Increase of monoamine oxidase-B activity in the brain of scrapie-infected hamsters. *Neurochem Int* **52**:1416-21.
- **Agrimi, U., R. Nonno, G. Dell'Omo, M. A. Di Bari, M. Conte, B. Chiappini, E. Esposito, G. Di Guardo, O. Windl, G. Vaccari, and H. P. Lipp.** 2008. Prion protein amino acid determinants of differential susceptibility and molecular feature of prion strains in mice and voles. *PLoS Pathog* **4**:e1000113.
- **Aguib, Y., S. Gilch, C. Krammer, A. Ertmer, M. H. Groschup, and H. M. Schatzl.** 2008. Neuroendocrine cultured cells counteract persistent prion infection by down-regulation of PrPc. *Mol Cell Neurosci* **38**:98-109.
- **Aguzzi, A.** 2008. Unraveling prion strains with cell biology and organic chemistry. *Proc Natl Acad Sci U S A* **105**:11-2.
- **Aguzzi, A., F. Baumann, and J. Bremer.** 2008. The prion's elusive reason for being. *Annu Rev Neurosci* **31**:439-77.
- **Aguzzi, A., C. Sigurdson, and M. Heikenwaelder.** 2008. Molecular mechanisms of prion pathogenesis. *Annu Rev Pathol* **3**:11-40.
- **Alais, S., S. Simoes, D. Baas, S. Lehmann, G. Raposo, J. L. Darlix, and P. Leblanc.** 2008. Mouse neuroblastoma cells release prion infectivity associated with exosomal vesicles. *Biol Cell*.
- **Alexander, B. M., R. H. Stobart, and G. E. Moss.** 2008. Scrapie resistance and production traits in Rambouillet rams: ram performance test 2002-2006. *Res Vet Sci* **85**:345-8.
- **Allison, G. G., P. Rees Stevens, L. Heasman, A. M. Davis, R. Jackman, and J. M. Moorby.** 2008. Effect of scrapie incubation on the concentrations of plasma amino acids and L-lactate in infected lambs. *Vet Res Commun*.
- **Allison, G. G., P. Rees Stevens, R. Jackman, and J. M. Moorby.** 2008. Normal ranges and temporal variation in plasma concentrations of L-lactate and free amino acids in adult sheep. *Res Vet Sci* **85**:22-5.

- **Amrani, N., S. Ghosh, D. A. Mangus, and A. Jacobson.** 2008. Translation factors promote the formation of two states of the closed-loop mRNP. *Nature* **453**:1276-80.
- **Appleford, N. E., K. Wilson, F. Houston, L. J. Bruce, A. Morrison, M. Bishop, K. Chalmers, G. Miele, E. Massey, C. Prowse, J. Manson, R. G. Will, M. Clinton, I. MacGregor, and D. J. Anstee.** 2008. alpha-Hemoglobin stabilizing protein is not a suitable marker for a screening test for variant Creutzfeldt-Jakob disease. *Transfusion* **48**:1616-26.
- **Auer-Grumbach, M.** 2008. Hereditary sensory neuropathy type I. *Orphanet J Rare Dis* **3**:7.
- **Auvynet, C., C. El Amri, C. Lacombe, F. Bruston, J. Bourdais, P. Nicolas, and Y. Rosenstein.** 2008. Structural requirements for antimicrobial versus chemoattractant activities for dermaseptin S9. *Febs J* **275**:4134-51.
- **Avrahami, D., Y. Dayan-Amouyal, S. Tal, M. Minberg, C. Davis, O. Abramsky, and R. Gabizon.** 2008. Virus-induced alterations of membrane lipids affect the incorporation of PrP Sc into cells. *J Neurosci Res* **86**:2753-62.
- **Baier, M., J. Apelt, C. Riemer, S. Gultner, A. Schwarz, T. Bamme, M. Burwinkel, and R. Schliebs.** 2008. Prion infection of mice transgenic for human APP(Swe): increased accumulation of cortical formic acid extractable Abeta(1-42) and rapid scrapie disease development. *Int J Dev Neurosci*.
- **Bate, C., V. Marshall, L. Colombo, L. Diomedea, M. Salmona, and A. Williams.** 2008. Docosahexaenoic and eicosapentaenoic acids increase neuronal death in response to HuPrP82-146 and Abeta 1-42. *Neuropharmacology* **54**:934-43.
- **Bate, C., M. Tayebi, and A. Williams.** 2008. Cholesterol esterification reduces the neurotoxicity of prions. *Neuropharmacology* **54**:1247-53.
- **Bate, C., M. Tayebi, and A. Williams.** 2008. Sequestration of free cholesterol in cell membranes by prions correlates with cytoplasmic phospholipase A2 activation. *BMC Biol* **6**:8.
- **Beck, J., J. D. Rohrer, T. Campbell, A. Isaacs, K. E. Morrison, E. F. Goodall, E. K. Warrington, J. Stevens, T. Revesz, J. Holton, S. Al-Sarraj, A. King, R. Scahill, J. D. Warren, N. C. Fox, M. N. Rossor, J. Collinge, and S. Mead.** 2008. A distinct clinical, neuropsychological and radiological phenotype is associated with progranulin gene mutations in a large UK series. *Brain* **131**:706-20.
- **Bellworthy, S. J., G. Dexter, M. Stack, M. Chaplin, S. A. Hawkins, M. M. Simmons, M. Jeffrey, S. Martin, L. Gonzalez, S. Martin, and P. Hill.** 2008. Oral transmission of BSE to VRQ/VRQ sheep in an experimental flock. *Vet Rec* **162**:130-1.
- **Benestad, S. L., J. N. Arsac, W. Goldmann, and M. Noremark.** 2008. Atypical/Nor98 scrapie: properties of the agent, genetics, and epidemiology. *Vet Res* **39**:19.

- **Beranger, F., C. Crozet, A. Goldsborough, and S. Lehmann.** 2008. Trehalose impairs aggregation of PrPSc molecules and protects prion-infected cells against oxidative damage. *Biochem Biophys Res Commun* **374**:44-8.
- **Beringue, V., A. Le Dur, P. Tixador, F. Reine, L. Lepourry, A. Perret-Liaudet, S. Haik, J. L. Vilotte, M. Fontes, and H. Laude.** 2008. Prominent and persistent extraneural infection in human PrP transgenic mice infected with variant CJD. *PLoS ONE* **3**:e1419.
- **Beringue, V., J. L. Vilotte, and H. Laude.** 2008. Prion agent diversity and species barrier. *Vet Res* **39**:47.
- **Biacabe, A. G., E. Morignat, J. Vulin, D. Calavas, and T. G. Baron.** 2008. Atypical bovine spongiform encephalopathies, France, 2001-2007. *Emerg Infect Dis* **14**:298-300.
- **Biasini, E., A. Z. Medrano, S. Thellung, R. Chiesa, and D. A. Harris.** 2008. Multiple biochemical similarities between infectious and non-infectious aggregates of a prion protein carrying an octapeptide insertion. *J Neurochem* **104**:1293-308.
- **Biasini, E., M. E. Seegulam, B. N. Patti, L. Solfrosi, A. Z. Medrano, H. M. Christensen, A. Senatore, R. Chiesa, R. A. Williamson, and D. A. Harris.** 2008. Non-infectious aggregates of the prion protein react with several PrP(Sc)-directed antibodies. *J Neurochem*.
- **Bibby, D. F., A. C. Gill, L. Kirby, C. F. Farquhar, M. E. Bruce, and J. A. Garson.** 2008. Application of a novel in vitro selection technique to isolate and characterise high affinity DNA aptamers binding mammalian prion proteins. *J Virol Methods* **151**:107-15.
- **Birkmann, E., F. Henke, S. A. Funke, O. Bannach, D. Riesner, and D. Willbold.** 2008. A highly sensitive diagnostic assay for aggregate-related diseases, including prion diseases and Alzheimer's disease. *Rejuvenation Res* **11**:359-63.
- **Bishop, M. T., G. G. Kovacs, P. Sanchez-Juan, and R. S. Knight.** 2008. Cathepsin D SNP associated with increased risk of variant Creutzfeldt-Jakob disease. *BMC Med Genet* **9**:31.
- **Bishop, M. T., D. L. Ritchie, R. G. Will, J. W. Ironside, M. W. Head, V. Thomson, M. Bruce, and J. C. Manson.** 2008. No major change in vCJD agent strain after secondary transmission via blood transfusion. *PLoS ONE* **3**:e2878.
- **Blanchong, J. A., M. D. Samuel, K. T. Scribner, B. V. Weckworth, J. A. Langenberg, and K. B. Filcek.** 2008. Landscape genetics and the spatial distribution of chronic wasting disease. *Biol Lett* **4**:130-3.
- **Bone, I., L. Belton, A. S. Walker, and J. Darbyshire.** 2008. Intraventricular pentosan polysulphate in human prion diseases: an observational study in the UK. *Eur J Neurol* **15**:458-64.

- **Bosch, J., J. Sumalla, M. Molins-Girbau, F. Costa-Jussa Relat, C. Nos-Llopis, and J. M. Badosa-Anton.** 2008. [Acute-onset aphasia as the presenting symptoms in a case of Creutzfeldt-Jakob disease]. *Rev Neurol* **46**:61.
- **Brazier, M. W., P. Davies, E. Player, F. Marken, J. H. Viles, and D. R. Brown.** 2008. Manganese binding to the prion protein. *J Biol Chem* **283**:12831-9.
- **Brooks, B. D., A. E. Albertson, J. A. Jones, J. O. Speare, and R. V. Lewis.** 2008. Efficient screening of high-signal and low-background antibody pairs in the bio-bar code assay using prion protein as the target. *Anal Biochem*.
- **Brown, P.** 2008. Transmissible spongiform encephalopathy in the 21st century: neuroscience for the clinical neurologist. *Neurology* **70**:713-22.
- **Bruederle, C. E., R. M. Hnasko, T. Kraemer, R. A. Garcia, M. J. Haas, W. N. Marmer, and J. M. Carter.** 2008. Prion infected meat-and-bone meal is still infectious after biodiesel production. *PLoS ONE* **3**:e2969.
- **Brunelle, B. W., M. E. Kehrli, Jr., J. R. Stabel, D. M. Spurlock, L. B. Hansen, and E. M. Nicholson.** 2008. Short communication: Allele, genotype, and haplotype data for bovine spongiform encephalopathy-resistance polymorphisms from healthy US Holstein cattle. *J Dairy Sci* **91**:338-42.
- **Bruschi, M., L. De Gioia, R. Mitric, V. Bonacic-Koutecky, and P. Fantucci.** 2008. A DFT study of EPR parameters in Cu(II) complexes of the octarepeat region of the prion protein. *Phys Chem Chem Phys* **10**:4573-83.
- **Caetano, F. A., M. H. Lopes, G. N. Hajj, C. F. Machado, C. Pinto Arantes, A. C. Magalhaes, P. Vieira Mde, T. A. Americo, A. R. Massensini, S. A. Priola, I. Vorberg, M. V. Gomez, R. Linden, V. F. Prado, V. R. Martins, and M. A. Prado.** 2008. Endocytosis of prion protein is required for ERK1/2 signaling induced by stress-inducible protein 1. *J Neurosci* **28**:6691-702.
- **Cagnoli, C., A. Brussino, L. Sbaiz, E. Di Gregorio, C. Atzori, P. Caroppo, L. Orsi, N. Migone, C. Buffa, D. Imperiale, and A. Brusco.** 2008. A previously undiagnosed case of Gerstmann-Straussler-Scheinker disease revealed by PRNP gene analysis in patients with adult-onset ataxia. *Mov Disord* **23**:1468-71.
- **Cakmak, M., H. Tanriverdi, N. Cakmak, H. Evrengul, S. Cetemen, and O. Kuru.** 2008. Simvastatin may improve myocardial perfusion abnormality in slow coronary flow. *Cardiology* **110**:39-44.
- **Canello, T., R. Engelstein, O. Moshel, K. Xanthopoulos, M. E. Juanes, J. Langeveld, T. Sklaviadis, M. Gasset, and R. Gabizon.** 2008. Methionine sulfoxides on PrPSc: a prion-specific covalent signature. *Biochemistry* **47**:8866-73.
- **Capellari, S., P. Parchi, P. Cortelli, P. Avoni, G. P. Casadei, C. Bini, A. Baruzzi, E. Lugaresi, M. Pocchiari, P. Gambetti, and P. Montagna.** 2008. Sporadic fatal insomnia in a fatal familial insomnia pedigree. *Neurology* **70**:884-5.

- **Carrero, J. J., M. I. Yilmaz, B. Lindholm, and P. Stenvinkel.** 2008. Cytokine dysregulation in chronic kidney disease: how can we treat it? *Blood Purif* **26**:291-9.
- **Caughey, B., and G. S. Baron.** 2008. Are cheetahs on the run from prion-like amyloidosis? *Proc Natl Acad Sci U S A* **105**:7113-4.
- **Chasseigneaux, S., M. Pastore, J. Britton-Davidian, E. Manie, M. H. Stern, J. Callebert, J. Catalan, D. Casanova, M. Belondrade, M. Provansal, Y. Zhang, A. Burkle, J. L. Laplanche, N. Sevenet, and S. Lehmann.** 2008. Genetic heterogeneity versus molecular analysis of prion susceptibility in neuroblasma N2a sublines. *Arch Virol* **153**:1693-702.
- **Chiocchetti, R., G. Mazzuoli, V. Albanese, M. Mazzoni, P. Clavenzani, G. Lalatta-Costerbosa, M. L. Lucchi, G. Di Guardo, G. Marruchella, and J. B. Furness.** 2008. Anatomical evidence for ileal Peyer's patches innervation by enteric nervous system: a potential route for prion neuroinvasion? *Cell Tissue Res* **332**:185-94.
- **Cinar, K., N. Senol, and N. Kuru.** 2008. The distribution of taste buds in *Garra rufa*. *Anat Histol Embryol* **37**:63-6.
- **Clawson, M. L., J. A. Richt, T. Baron, A. G. Biacabe, S. Czub, M. P. Heaton, T. P. Smith, and W. W. Laegreid.** 2008. Association of a bovine prion gene haplotype with atypical BSE. *PLoS ONE* **3**:e1830.
- **Clerici, F., A. Elia, F. Girotti, P. Contri, C. Mariani, F. Tagliavini, and G. Di Fede.** 2008. Atypical presentation of Creutzfeldt-Jakob disease: The first Italian case associated with E196K mutation in the PRNP gene. *J Neurol Sci*.
- **Collinge, J., and M. P. Alpers.** 2008. Introduction. *Philos Trans R Soc Lond B Biol Sci*.
- **Comoy, E. E., C. Casalone, N. Lescoutra-Etchegaray, G. Zanusso, S. Freire, D. Marce, F. Auvre, M. M. Ruchoux, S. Ferrari, S. Monaco, N. Sales, M. Caramelli, P. Leboulch, P. Brown, C. I. Lasmezas, and J. P. Deslys.** 2008. Atypical BSE (BASE) transmitted from asymptomatic aging cattle to a primate. *PLoS ONE* **3**:e3017.
- **Cordier-Dirikoc, S., and J. Chabry.** 2008. Temporary depletion of CD11c+ dendritic cells delays lymphoinvasion after intraperitoneal scrapie infection. *J Virol* **82**:8933-6.
- **Cordier-Dirikoc, S., N. Zsurger, J. Cazareth, B. Menard, and J. Chabry.** 2008. Expression profiles of prion and doppel proteins and of their receptors in mouse splenocytes. *Eur J Immunol* **38**:2131-41.
- **Cosentino, U., D. Pitea, G. Moro, G. A. Saracino, P. Caria, R. M. Vari, L. Colombo, G. Forloni, F. Tagliavini, and M. Salmona.** 2008. The anti-fibrillogenic activity of tetracyclines on PrP 106-126: a 3D-QSAR study. *J Mol Model* **14**:987-94.

- **Courageot, M. P., N. Daude, R. Nonno, S. Paquet, M. A. Di Bari, A. Le Dur, J. Chapuis, A. F. Hill, U. Agrimi, H. Laude, and D. Vilette.** 2008. A cell line infectible by prion strains from different species. *J Gen Virol* **89**:341-7.
- **Creelius, A., A. Gotz, T. Arzberger, T. Frohlich, G. J. Arnold, I. Ferrer, and H. A. Kretzschmar.** 2008. Assessing quantitative post-mortem changes in the gray matter of the human frontal cortex proteome by 2-D DIGE. *Proteomics* **8**:1276-91.
- **Creelius, A. C., D. Helmstetter, J. Strangmann, G. Mitteregger, T. Frohlich, G. J. Arnold, and H. A. Kretzschmar.** 2008. The brain proteome profile is highly conserved between Prnp^{-/-} and Prnp^{+/+} mice. *Neuroreport* **19**:1027-31.
- **Cronier, S., N. Gros, M. H. Tattum, G. S. Jackson, A. R. Clarke, J. Collinge, and J. D. Wadsworth.** 2008. Detection and characterization of proteinase K-sensitive disease-related prion protein with thermolysin. *Biochem J*.
- **Crozet, C., F. Beranger, and S. Lehmann.** 2008. Cellular pathogenesis in prion diseases. *Vet Res* **39**:44.
- **Cuadrado, N., A. Jimenez, C. Albo, L. Vega, R. Hortiguela, L. Cerrato, M. Sierra, F. Avellanal, A. Rabano, J. Pedro, and M. Calero.** 2008. [Usefulness of the 14-3-3 test for the diagnosis of sCJD evaluated by a Spanish reference center.]. *Neurologia*.
- **Cuadrado-Corrales, N., A. Jimenez-Huete, C. Albo, L. Vega, R. Hortiguela, L. Cerrato, M. Sierra-Moros, F. Avellanal, A. Rabano, J. de Pedro-Cuesta, and M. Calero.** 2008. [Usefulness of the 14-3-3 test for the diagnosis of sCJD evaluated by a Spanish reference center]. *Neurologia* **23**:91-7.
- **Dagleish, M. P., S. Martin, P. Steele, J. Finlayson, S. Siso, S. Hamilton, F. Chianini, H. W. Reid, L. Gonzalez, and M. Jeffrey.** 2008. Experimental transmission of bovine spongiform encephalopathy to European red deer (*Cervus elaphus elaphus*). *BMC Vet Res* **4**:17.
- **Dagleish, M. P., S. M. Rodger, M. M. Simmons, J. Finlayson, D. Buxton, and F. Chianini.** 2008. Atypical scrapie in a sheep in Scotland. *Vet Rec* **162**:518-9.
- **D'Angelo, A., G. C. Cravero, M. I. Crescio, B. Iulini, C. Maurella, and C. Casalone.** 2008. Cerebellar hypoplasia in a clinically suspected but unconfirmed case of BSE in a cow. *Vet Rec* **162**:627-8.
- **Davies, P., and D. R. Brown.** 2008. The chemistry of copper binding to PrP: is there sufficient evidence to elucidate a role for copper in protein function? *Biochem J* **410**:237-44.
- **Dawson, M., R. C. Moore, and S. C. Bishop.** 2008. Progress and limits of PrP gene selection policy. *Vet Res* **39**:25.
- **De Luigi, A., L. Colombo, L. Diomede, R. Capobianco, M. Mangieri, C. Miccolo, L. Limido, G. Forloni, F. Tagliavini, and M. Salmona.** 2008. The efficacy of

tetracyclines in peripheral and intracerebral prion infection. PLoS ONE **3**:e1888.

- **De Paepe, B., G. G. Brusselle, T. Maes, K. K. Creus, S. D'Hose, N. D'Haese, K. R. Bracke, I. D'Hulst A, G. F. Joos, and J. L. De Bleecker.** 2008. TNF alpha receptor genotype influences smoking-induced muscle-fibre-type shift and atrophy in mice. *Acta Neuropathol* **115**:675-81.
- **Debatin, L., J. Streffer, M. Geissen, J. Matschke, A. Aguzzi, and M. Glatzel.** 2008. Association between Deposition of Beta-Amyloid and Pathological Prion Protein in Sporadic Creutzfeldt-Jakob Disease. *Neurodegener Dis* **5**:347-354.
- **Del Rio Vilas, V. J., and D. Bohning.** 2008. Application of one-list capture-recapture models to scrapie surveillance data in Great Britain. *Prev Vet Med* **85**:253-66.
- **Del Rio Vilas, V. J., D. Bohning, and R. Kuhnert.** 2008. A comparison of the active surveillance of scrapie in the European Union. *Vet Res* **39**:37.
- **Demonceau, C., A. S. Marshall, J. Sales, and E. Heinen.** 2008. Investigation of close interactions between sympathetic neural fibres and the follicular dendritic cells network in the mouse spleen. *Eur J Histochem* **52**:85-92.
- **Didier, A., R. Gebert, R. Dietrich, M. Schweiger, M. Gareis, E. Martlbauer, and W. M. Amselgruber.** 2008. Cellular prion protein in mammary gland and milk fractions of domestic ruminants. *Biochem Biophys Res Commun* **369**:841-4.
- **Doi, Y., T. Yokoyama, M. Sakai, Y. Nakamura, T. Tango, and K. Takahashi.** 2008. Spatial clusters of Creutzfeldt-Jakob disease mortality in Japan between 1995 and 2004. *Neuroepidemiology* **30**:222-8.
- **Douglas, P. M., S. Treusch, H. Y. Ren, R. Halfmann, M. L. Duennwald, S. Lindquist, and D. M. Cyr.** 2008. Chaperone-dependent amyloid assembly protects cells from prion toxicity. *Proc Natl Acad Sci U S A* **105**:7206-11.
- **Ducrot, C., M. Arnold, A. de Koeijer, D. Heim, and D. Calavas.** 2008. Review on the epidemiology and dynamics of BSE epidemics. *Vet Res* **39**:15.
- **Dustan, B. H., Y. I. Spencer, C. Casalone, J. Brownlie, and M. M. Simmons.** 2008. A histopathologic and immunohistochemical review of archived UK caprine scrapie cases. *Vet Pathol* **45**:443-54.
- **El Moustaine, D., V. Perrier, L. Smeller, R. Lange, and J. Torrent.** 2008. Full-length prion protein aggregates to amyloid fibrils and spherical particles by distinct pathways. *Febs J* **275**:2021-31.
- **Elfrink, K., J. Ollesch, J. Stohr, D. Willbold, D. Riesner, and K. Gerwert.** 2008. Structural changes of membrane-anchored native PrP(C). *Proc Natl Acad Sci U S A* **105**:10815-9.
- **Encalada, S. E., K. L. Moya, S. Lehmann, and R. Zahn.** 2008. The role of the prion protein in the molecular basis for synaptic plasticity and nervous system

development. *J Mol Neurosci* **34**:9-15.

- **Enli, Y., M. Turk, R. Akbay, H. Evrengul, H. Tanriverdi, O. Kuru, D. Seleci, A. Kaftan, O. Ozer, and H. Enli.** 2008. Oxidative stress parameters in patients with slow coronary flow. *Adv Ther* **25**:37-44.
- **Espagne, E., O. Lespinet, F. Malagnac, C. Da Silva, O. Jaillon, B. M. Porcel, A. Couloux, J. M. Aury, B. Segurens, J. Poulain, V. Anthouard, S. Grossetete, H. Khalili, E. Coppin, M. Dequard-Chablat, M. Picard, V. Contamine, S. Arnaise, A. Bourdais, V. Berteaux-Lecellier, D. Gautheret, R. P. de Vries, E. Battaglia, P. M. Coutinho, E. G. Danchin, B. Henrissat, R. E. Khoury, A. Sainsard-Chanet, A. Boivin, B. Pinan-Lucarre, C. H. Sellem, R. Debuchy, P. Wincker, J. Weissenbach, and P. Silar.** 2008. The genome sequence of the model ascomycete fungus *Podospora anserina*. *Genome Biol* **9**:R77.
- **Fabret, C., B. Cosnier, S. Lekomtsev, S. Gillet, I. Hatin, P. Le Marechal, and J. P. Rousset.** 2008. A novel mutant of the Sup35 protein of *Saccharomyces cerevisiae* defective in translation termination and in GTPase activity still supports cell viability. *BMC Mol Biol* **9**:22.
- **Falsig, J., and A. Aguzzi.** 2008. The prion organotypic slice culture assay--POSCA. *Nat Protoc* **3**:555-62.
- **Falsig, J., C. Julius, I. Margalith, P. Schwarz, F. L. Heppner, and A. Aguzzi.** 2008. A versatile prion replication assay in organotypic brain slices. *Nat Neurosci* **11**:109-17.
- **Fediaevsky, A., S. C. Tongue, M. Noremark, D. Calavas, G. Ru, and P. Hopp.** 2008. A descriptive study of the prevalence of atypical and classical scrapie in sheep in 20 European countries. *BMC Vet Res* **4**:19.
- **Feng, B. Y., B. H. Toyama, H. Wille, D. W. Colby, S. R. Collins, B. C. May, S. B. Prusiner, J. Weissman, and B. K. Shoichet.** 2008. Small-molecule aggregates inhibit amyloid polymerization. *Nat Chem Biol* **4**:197-9.
- **Fernandez, M., J. Caballero, L. Fernandez, J. I. Abreu, and G. Acosta.** 2008. Classification of conformational stability of protein mutants from 3D pseudo-folding graph representation of protein sequences using support vector machines. *Proteins* **70**:167-75.
- **Ferreiro, E., R. Costa, S. Marques, S. M. Cardoso, C. R. Oliveira, and C. M. Pereira.** 2008. Involvement of mitochondria in endoplasmic reticulum stress-induced apoptotic cell death pathway triggered by the prion peptide PrP(106-126). *J Neurochem* **104**:766-76.
- **Forde, N., M. Rogers, M. J. Canty, P. Lonergan, G. W. Smith, P. M. Coussens, J. J. Ireland, and A. C. Evans.** 2008. Association of the prion protein and its expression with ovarian follicle development in cattle. *Mol Reprod Dev* **75**:243-9.
- **Foster, J., L. Toovey, C. McKenzie, A. Chong, D. Parnham, D. Drummond, and**

- N. Hunter.** 2008. Atypical scrapie in a sheep in a closed UK flock with endemic classical natural scrapie. *Vet Rec* **162**:723-4.
- **Fouque, D., K. Kalantar-Zadeh, J. Kopple, N. Cano, P. Chauveau, L. Cuppari, H. Franch, G. Guarnieri, T. A. Ikizler, G. Kaysen, B. Lindholm, Z. Massy, W. Mitch, E. Pineda, P. Stenvinkel, A. Trevino-Becerra, and C. Wanner.** 2008. A proposed nomenclature and diagnostic criteria for protein-energy wasting in acute and chronic kidney disease. *Kidney Int* **73**:391-8.
 - **Fournier, J. G.** 2008. Cellular prion protein electron microscopy: attempts/limits and clues to a synaptic trait. Implications in neurodegeneration process. *Cell Tissue Res* **332**:1-11.
 - **Fournier, J. G., K. Adjou, V. Grigoriev, and J. P. Deslys.** 2008. Ultrastructural evidence that ependymal cells are infected in experimental scrapie. *Acta Neuropathol* **115**:643-50.
 - **Franklin, S. L., S. Love, J. R. Greene, and S. Betmouni.** 2008. Loss of Perineuronal Net in ME7 Prion Disease. *J Neuropathol Exp Neurol* **67**:189-99.
 - **Freudenberg, J. A., K. Bembas, M. I. Greene, and H. Zhang.** 2008. Non-invasive, ultra-sensitive, high-throughput assays to quantify rare biomarkers in the blood. *Methods*.
 - **Friedrich, M., R. Korte, C. Portero, T. Arzberger, H. A. Kretschmar, I. Zerr, and W. Nacimient.** 2008. [Fatal familial insomnia--a rare differential diagnosis in dementia]. *Fortschr Neurol Psychiatr* **76**:36-40.
 - **Furtner, M., E. Gelpi, S. Kiechl, M. Knoflach, A. Zangerl, T. Gotwald, J. Willeit, H. Maier, T. Strobel, U. Unterberger, and H. Budka.** 2008. Iatrogenic Creutzfeldt-Jakob disease 22 years after human growth hormone therapy: clinical and radiological features. *J Neurol Neurosurg Psychiatry* **79**:229-31.
 - **Galanaud, D., D. Dormont, S. Haik, J. Chiras, J. P. Brandel, and J. P. Ranjeva.** 2008. Differences of apparent diffusion coefficient values in patients with Creutzfeldt-Jakob disease according to the codon 129 genotype. *AJNR Am J Neuroradiol* **29**:E57; author reply E58.
 - **Gallozzi, M., V. Beringue, P. Decaunes, A. Le Dur, K. Le Roux, G. Tilly, S. Le Guillou, L. Herzog, C. Peyre, A. Ladroue, J. Chapuis, M. Vilotte, B. Passet, J. Costa, N. Chenais, F. Le Provost, H. Laude, and J. L. Vilotte.** 2008. Spatial and temporal down-regulation of transgene expression using the TRSID-silencer in mice: application to Prnp. *FEBS Lett* **582**:2219-24.
 - **Gallozzi, M., J. Chapuis, F. Le Provost, A. Le Dur, C. Morgenthaler, C. Peyre, N. Daniel-Carlier, E. Pailhous, M. Vilotte, B. Passet, L. Herzog, V. Beringue, J. Costa, P. Tixador, G. Tilly, H. Laude, and J. L. Vilotte.** 2008. Prnp knockdown in transgenic mice using RNA interference. *Transgenic Res* **17**:783-91.
 - **Gambetti, P., Z. Dong, J. Yuan, X. Xiao, M. Zheng, A. Alsheklee, R. Castellani, M. Cohen, M. A. Barria, D. Gonzalez-Romero, E. D. Belay, L. B. Schonberger, K.**

- Marder, C. Harris, J. R. Burke, T. Montine, T. Wisniewski, D. W. Dickson, C. Soto, C. M. Hulette, J. A. Mastrianni, Q. Kong, and W. Q. Zou.** 2008. A novel human disease with abnormal prion protein sensitive to protease. *Ann Neurol* **63**:697-708.
- **Garruto, R. M., C. Reiber, M. P. Alfonso, H. Gastrich, K. Needham, S. Sunderman, S. Walker, J. Weeks, N. Derosa, E. Faisst, J. Dunn, K. Fanelli, and K. Shilkret.** 2008. Risk behaviors in a rural community with a known point-source exposure to chronic wasting disease. *Environ Health* **7**:31.
 - **Gasset-Rosa, F., M. J. Mate, C. Davila-Fajardo, J. Bravo, and R. Giraldo.** 2008. Binding of sulphonated indigo derivatives to RepA-WH1 inhibits DNA-induced protein amyloidogenesis. *Nucleic Acids Res* **36**:2249-56.
 - **Gavier-Widen, D., M. Noremark, J. P. Langeveld, M. Stack, A. G. Biacabe, J. Vulin, M. Chaplin, J. A. Richt, J. Jacobs, C. Acin, E. Monleon, L. Renstrom, B. Klingeborn, and T. G. Baron.** 2008. Bovine spongiform encephalopathy in Sweden: an H-type variant. *J Vet Diagn Invest* **20**:2-10.
 - **Gavin, R., J. Urena, A. Rangel, M. A. Pastrana, J. R. Requena, E. Soriano, A. Aguzzi, and J. A. Del Rio.** 2008. Fibrillar prion peptide PrP(106-126) treatment induces Dab1 phosphorylation and impairs APP processing and A beta production in cortical neurons. *Neurobiol Dis* **30**:243-54.
 - **Gayraud, V., N. Picard-Hagen, C. Viguie, E. Jeunesse, G. Tabouret, H. Rezaei, and P. L. Toutain.** 2008. Blood clearance of the prion protein introduced by intravenous route in sheep is influenced by host genetic and physiopathologic factors. *Transfusion* **48**:609-19.
 - **Gelpi, E., H. Heinzl, R. Hoftberger, U. Unterberger, T. Strobel, T. Voigtlander, E. Drobna, C. Jarius, S. Lang, T. Waldhor, H. Bernheimer, and H. Budka.** 2008. Creutzfeldt-Jakob disease in Austria: an autopsy-controlled study. *Neuroepidemiology* **30**:215-21.
 - **Genoud, N., D. Ott, N. Braun, M. Prinz, P. Schwarz, U. Suter, D. Trono, and A. Aguzzi.** 2008. Antiprion prophylaxis by gene transfer of a soluble prion antagonist. *Am J Pathol* **172**:1287-96.
 - **Georgsson, G., J. A. Adolfsson, A. Palsdottir, E. Jorundsson, S. Sigurdarson, and S. Thorgeirsdottir.** 2008. High incidence of subclinical infection of lymphoid tissues in scrapie-affected sheep flocks. *Arch Virol* **153**:637-44.
 - **Georgsson, G., E. Olafsson, and G. Gudmundsson.** 2008. [Scrapie of sheep and Creutzfeldt-Jakob disease in Iceland]. *Laeknabladid* **94**:541-8.
 - **Giannattasio, C., A. Poggi, M. Puopolo, M. Pocchiari, P. Antuono, G. Dal Forno, D. R. Wekstein, M. G. Matera, D. Seripa, A. Acciarri, A. Bizzarro, A. Lauria, and C. Masullo.** 2008. Survival in Alzheimer's disease is shorter in women carrying heterozygosity at codon 129 of the PRNP gene and no APOE epsilon 4 allele. *Dement Geriatr Cogn Disord* **25**:354-8.

- **Gibbens, J. C., S. Robertson, J. Willmington, A. Milnes, J. B. Ryan, J. W. Wilesmith, A. J. Cook, and G. P. David.** 2008. Use of laboratory data to reduce the time taken to detect new diseases: VIDA to FarmFile. *Vet Rec* **162**:771-6.
- **Gilch, S., C. Krammer, and H. M. Schatzl.** 2008. Targeting prion proteins in neurodegenerative disease. *Expert Opin Biol Ther* **8**:923-40.
- **Gmitterova, K., U. Heinemann, M. Bodemer, A. Krasnianski, B. Meissner, H. A. Kretzschmar, and I. Zerr.** 2008. 14-3-3 CSF levels in sporadic Creutzfeldt-Jakob disease differ across molecular subtypes. *Neurobiol Aging*.
- **Goggin, K., S. Beaudoin, C. Grenier, A. A. Brown, and X. Roucou.** 2008. Prion protein aggregates are poly(A)⁺ ribonucleoprotein complexes that induce a PKR-mediated deficient cell stress response. *Biochim Biophys Acta* **1783**:479-91.
- **Goldmann, W.** 2008. PrP genetics in ruminant transmissible spongiform encephalopathies. *Vet Res* **39**:30.
- **Goni, F., F. Prelli, F. Schreiber, H. Scholtzova, E. Chung, R. Kascsak, D. R. Brown, E. M. Sigurdsson, J. A. Chabalgoity, and T. Wisniewski.** 2008. High titers of mucosal and systemic anti-PrP antibodies abrogate oral prion infection in mucosal-vaccinated mice. *Neuroscience* **153**:679-86.
- **Gonzalez, L., M. P. Dagleish, S. Martin, G. Dexter, P. Steele, J. Finlayson, and M. Jeffrey.** 2008. Diagnosis of preclinical scrapie in live sheep by the immunohistochemical examination of rectal biopsies. *Vet Rec* **162**:397-403.
- **Gonzalez, L., R. Horton, D. Ramsay, R. Toomik, V. Leathers, Q. Tonelli, M. P. Dagleish, M. Jeffrey, and L. Terry.** 2008. Adaptation and evaluation of a rapid test for the diagnosis of sheep scrapie in samples of rectal mucosa. *J Vet Diagn Invest* **20**:203-8.
- **Gonzalez-Romero, D., M. A. Barria, P. Leon, R. Morales, and C. Soto.** 2008. Detection of infectious prions in urine. *FEBS Lett*.
- **Grassi, J., S. Maillet, S. Simon, and N. Morel.** 2008. Progress and limits of TSE diagnostic tools. *Vet Res* **39**:33.
- **Green, K. M., S. R. Browning, T. S. Seward, J. E. Jewell, D. L. Ross, M. A. Green, E. S. Williams, E. A. Hoover, and G. C. Telling.** 2008. The elk PRNP codon 132 polymorphism controls cervid and scrapie prion propagation. *J Gen Virol* **89**:598-608.
- **Greenberg, R. N., and J. S. Kennedy.** 2008. ACAM2000: a newly licensed cell culture-based live vaccinia smallpox vaccine. *Expert Opin Investig Drugs* **17**:555-64.
- **Gregori, L., G. G. Kovacs, I. Alexeeva, H. Budka, and R. G. Rohwer.** 2008. Excretion of transmissible spongiform encephalopathy infectivity in urine. *Emerg Infect Dis* **14**:1406-12.

- **Greil, C. S., I. M. Vorberg, A. E. Ward, K. D. Meade-White, D. A. Harris, and S. A. Priola.** 2008. Acute cellular uptake of abnormal prion protein is cell type and scrapie-strain independent. *Virology*.
- **Groschup, M. H., and A. Buschmann.** 2008. Rodent models for prion diseases. *Vet Res* **39**:32.
- **Gudmundsdottir, K. B., J. Kristinsson, S. Sigurdarson, T. Eiriksson, and T. Johannesson.** 2008. Glutathione peroxidase (GPX) activity in blood of ewes on farms in different scrapie categories in Iceland. *Acta Vet Scand* **50**:23.
- **Guo, J. T., and Y. Xu.** 2008. Towards modeling of amyloid fibril structures. *Front Biosci* **13**:4039-50.
- **Guo, M., T. Huang, Y. Cui, B. Pan, A. Shen, Y. Sun, Y. Yi, Y. Wang, G. Xiao, and G. Sun.** 2008. PrPC interacts with tetraspanin-7 through bovine PrP154-182 containing alpha-helix 1. *Biochem Biophys Res Commun* **365**:154-7.
- **Haigh, C. L., and D. R. Brown.** 2008. Investigation of PrPC metabolism and function in live cells : methods for studying individual cells and cell populations. *Methods Mol Biol* **459**:21-34.
- **Haik, S., D. Galanaud, M. G. Linguraru, K. Peoc'h, N. Privat, B. A. Faucheux, N. Ayache, J. J. Hauw, D. Dormont, and J. P. Brandel.** 2008. In vivo detection of thalamic gliosis: a pathoradiologic demonstration in familial fatal insomnia. *Arch Neurol* **65**:545-9.
- **Hamir, A. N., R. A. Kunkle, E. M. Nicholson, J. M. Miller, S. M. Hall, H. Schoenenbruecher, B. W. Brunelle, and J. A. Richt.** 2008. Preliminary observations on the experimental transmission of chronic wasting disease (CWD) from elk and white-tailed deer to fallow deer. *J Comp Pathol* **138**:121-30.
- **Hamir, A. N., R. A. Kunkle, J. A. Richt, J. M. Miller, and J. J. Greenlee.** 2008. Experimental transmission of US scrapie agent by nasal, peritoneal, and conjunctival routes to genetically susceptible sheep. *Vet Pathol* **45**:7-11.
- **Hamir, A. N., J. A. Richt, J. M. Miller, R. A. Kunkle, S. M. Hall, E. M. Nicholson, K. I. O'Rourke, J. J. Greenlee, and E. S. Williams.** 2008. Experimental transmission of chronic wasting disease (CWD) of elk (*Cervus elaphus nelsoni*), white-tailed deer (*Odocoileus virginianus*), and mule deer (*Odocoileus hemionus hemionus*) to white-tailed deer by intracerebral route. *Vet Pathol* **45**:297-306.
- **Haviv, Y., D. Avrahami, H. Ovadia, T. Ben-Hur, R. Gabizon, and R. Sharon.** 2008. Induced neuroprotection independently from PrPSc accumulation in a mouse model for prion disease treated with simvastatin. *Arch Neurol* **65**:762-75.
- **Heath, C. A., and R. G. Will.** 2008. Clinical aspects of variant creutzfeldt-jakob disease. *Handb Clin Neurol* **89**:765-78.

- **Heinemann, U., A. Krasnianski, B. Meissner, E. M. Grasbon-Frodl, H. A. Kretzschmar, and I. Zerr.** 2008. Novel PRNP mutation in a patient with a slow progressive dementia syndrome. *Med Sci Monit* **14**:CS41-43.
- **Heiseke, A., S. Schobel, S. F. Lichtenthaler, I. Vorberg, M. H. Groschup, H. Kretzschmar, H. M. Schatzl, and M. Nunziante.** 2008. The novel sorting nexin SNX33 interferes with cellular PrP formation by modulation of PrP shedding. *Traffic* **9**:1116-29.
- **Heitz, S., V. Gautheron, Y. Lutz, J. L. Rodeau, H. S. Zanjani, I. Sugihara, G. Bombarde, F. Richard, J. P. Fuchs, M. W. Vogel, J. Mariani, and Y. Bailly.** 2008. BCL-2 counteracts Doppel-induced apoptosis of prion-protein-deficient Purkinje cells in the Ngsk Prnp(0/0) mouse. *Dev Neurobiol* **68**:332-48.
- **Heres, L., D. J. Brus, and T. J. Hagenaars.** 2008. Spatial analysis of BSE cases in the Netherlands. *BMC Vet Res* **4**:21.
- **Hesketh, S., J. Sassoon, R. Knight, and D. R. Brown.** 2008. Elevated manganese levels in blood and CNS in human prion disease. *Mol Cell Neurosci* **37**:590-8.
- **Hetz, C., A. H. Lee, D. Gonzalez-Romero, P. Thielen, J. Castilla, C. Soto, and L. H. Glimcher.** 2008. Unfolded protein response transcription factor XBP-1 does not influence prion replication or pathogenesis. *Proc Natl Acad Sci U S A* **105**:757-62.
- **Hinckley, G. T., C. J. Johnson, K. H. Jacobson, C. Bartholomay, K. D. McMahan, D. McKenzie, J. M. Aiken, and J. A. Pedersen.** 2008. Persistence of pathogenic prion protein during simulated wastewater treatment processes. *Environ Sci Technol* **42**:5254-9.
- **Hortells, P., E. Monleon, C. Acin, A. Vargas, B. Ryffel, J. Y. Cesbron, J. J. Badiola, and M. Monzon.** 2008. Effect of the dimethoate administration on a scrapie murine model. *Zoonoses Public Health* **55**:368-75.
- **Hosokawa, T., F. Ono, K. Tsuchiya, I. Sato, N. Takeyama, S. Ueda, G. Zanusso, H. Takahashi, T. Sata, A. Sakudo, K. Suguiura, A. Baj, A. Toniolo, Y. Yoshikawa, and T. Onodera.** 2008. Distinct immunohistochemical localization in Kuru plaques using novel anti-prion protein antibodies. *Microbiol Immunol* **52**:25-9.
- **Hosokawa, T., K. Tsuchiya, I. Sato, N. Takeyama, S. Ueda, Y. Tagawa, K. M. Kimura, I. Nakamura, G. Wu, A. Sakudo, C. Casalone, M. Mazza, M. Caramelli, H. Takahashi, T. Sata, K. Sugiura, A. Baj, A. Toniolo, and T. Onodera.** 2008. A monoclonal antibody (1D12) defines novel distribution patterns of prion protein (PrP) as granules in nucleus. *Biochem Biophys Res Commun* **366**:657-63.
- **Houston, F., S. McCutcheon, W. Goldmann, A. Chong, J. Foster, S. Siso, L. Gonzalez, M. Jeffrey, and N. Hunter.** 2008. Prion diseases are efficiently transmitted by blood transfusion in sheep. *Blood*.
- **Howells, L. C., S. Anderson, N. G. Coldham, and M. J. Sauer.** 2008.

Transmissible spongiform encephalopathy strain-associated diversity of N-terminal proteinase K cleavage sites of PrP(Sc) from scrapie-infected and bovine spongiform encephalopathy-infected mice. *Biomarkers* **13**:393-412.

- **Hu, W., B. Kieseier, E. Frohman, T. N. Eagar, R. N. Rosenberg, H. P. Hartung, and O. Stuve.** 2008. Prion proteins: physiological functions and role in neurological disorders. *J Neurol Sci* **264**:1-8.
- **Ironside, J. W., and M. W. Head.** 2008. Biology and neuropathology of prion diseases. *Handb Clin Neurol* **89**:779-97.
- **Isaacs, A. M., C. Powell, T. E. Webb, J. M. Linehan, J. Collinge, and S. Brandner.** 2008. Lack of TAR-DNA binding protein-43 (TDP-43) pathology in human prion diseases. *Neuropathol Appl Neurobiol* **34**:446-56.
- **Isaacs, J. D., O. A. Garden, G. Kaur, J. Collinge, G. S. Jackson, and D. M. Altmann.** 2008. The cellular prion protein is preferentially expressed by CD4(+) CD25(+) Foxp3(+) regulatory T cells. *Immunology*.
- **Iulini, B., C. Cantile, M. T. Mandara, C. Maurella, G. R. Loria, M. Castagnaro, C. Salvadori, C. Porcario, C. Corona, A. Z. Perazzini, A. Maroni, M. Caramelli, and C. Casalone.** 2008. Neuropathology of italian cats in feline spongiform encephalopathy surveillance. *Vet Pathol* **45**:626-33.
- **Iwamaru, Y., Y. Shimizu, M. Imamura, Y. Murayama, R. Endo, Y. Tagawa, Y. Ushiki-Kaku, T. Takenouchi, H. Kitani, S. Mohri, T. Yokoyama, and H. Okada.** 2008. Lactoferrin induces cell surface retention of prion protein and inhibits prion accumulation. *J Neurochem*.
- **Jamieson, K. V., J. Wu, S. R. Hubbard, and D. Meruelo.** 2008. Crystal structure of the human laminin receptor precursor. *J Biol Chem* **283**:3002-5.
- **Jeffrey, M., G. McGovern, C. M. Goodsir, and L. Gonzalez.** 2008. Strain-Associated Variations in Abnormal PrP Trafficking of Sheep Scrapie. *Brain Pathol*.
- **Jones, M., D. Wight, V. McLoughlin, K. Norrby, J. W. Ironside, J. G. Connolly, C. F. Farquhar, I. R. Macgregor, and M. W. Head.** 2008. An Antibody to the Aggregated Synthetic Prion Protein Peptide (PrP106-126) Selectively Recognizes Disease-Associated Prion Protein (PrP(Sc)) from Human Brain Specimens. *Brain Pathol*.
- **Juling, K., H. Schwarzenbacher, U. Frankenberg, U. Ziegler, M. Groschup, J. L. Williams, and R. Fries.** 2008. Characterization of a 320-kb region containing the HEXA gene on bovine chromosome 10 and analysis of its association with BSE susceptibility. *Anim Genet* **39**:400-6.
- **Julius, C., M. Heikenwalder, P. Schwarz, A. Marcel, M. Karin, M. Prinz, M. Pasparakis, and A. Aguzzi.** 2008. Prion propagation in mice lacking central nervous system NF-kappaB signalling. *J Gen Virol* **89**:1545-50.

- **Julius, C., G. Hutter, U. Wagner, H. Seeger, V. Kana, J. Kranich, P. Klohn, C. Weissmann, G. Miele, and A. Aguzzi.** 2008. Transcriptional stability of cultured cells upon prion infection. *J Mol Biol* **375**:1222-33.
- **Kaimann, T., S. Metzger, K. Kuhlmann, B. Brandt, E. Birkmann, H. D. Holtje, and D. Riesner.** 2008. Molecular model of an alpha-helical prion protein dimer and its monomeric subunits as derived from chemical cross-linking and molecular modeling calculations. *J Mol Biol* **376**:582-96.
- **Kalastavadi, T., and H. L. True.** 2008. Prion protein insertional mutations increase aggregation propensity but not fiber stability. *BMC Biochem* **9**:7.
- **Keane, D. P., D. J. Barr, J. E. Keller, S. M. Hall, J. A. Langenberg, and P. N. Bochler.** 2008. Comparison of retropharyngeal lymph node and obex region of the brainstem in detection of chronic wasting disease in white-tailed deer (*Odocoileus virginianus*). *J Vet Diagn Invest* **20**:58-60.
- **Khemtemourian, L., J. A. Killian, J. W. Hoppener, and M. F. Engel.** 2008. Recent insights in islet amyloid polypeptide-induced membrane disruption and its role in beta-cell death in type 2 diabetes mellitus. *Exp Diabetes Res* **2008**:421287.
- **Khoury, C. M., and M. T. Greenwood.** 2008. The pleiotropic effects of heterologous Bax expression in yeast. *Biochim Biophys Acta* **1783**:1449-65.
- **Kim, D. W., S. H. Chae, B. R. Kang, S. H. Choi, A. Kim, S. Woo, and H. S. Park.** 2008. Comparative genomic analysis of the whale (*Pseudorca crassidens*) PRNP locus. *Genome* **51**:452-64.
- **Klewpatinond, M., P. Davies, S. Bowen, D. R. Brown, and J. H. Viles.** 2008. Deconvoluting the Cu²⁺ binding modes of full-length prion protein. *J Biol Chem* **283**:1870-81.
- **Kong, Q., M. Zheng, C. Casalone, L. Qing, S. Huang, B. Chakraborty, P. Wang, F. Chen, I. Cali, C. Corona, F. Martucci, B. Iulini, P. Acutis, L. Wang, J. Liang, M. Wang, X. Li, S. Monaco, G. Zanusso, W. Q. Zou, M. Caramelli, and P. Gambetti.** 2008. Evaluation of the human transmission risk of an atypical bovine spongiform encephalopathy prion strain. *J Virol* **82**:3697-701.
- **Konold, T., G. Bone, A. Vidal-Diez, R. Tortosa, A. Davis, G. Dexter, P. Hill, M. Jeffrey, M. M. Simmons, M. J. Chaplin, S. J. Bellworthy, and C. Berthelin-Baker.** 2008. Pruritus is a common feature in sheep infected with the BSE agent. *BMC Vet Res* **4**:16.
- **Konold, T., S. J. Moore, S. J. Bellworthy, and H. A. Simmons.** 2008. Evidence of scrapie transmission via milk. *BMC Vet Res* **4**:14.
- **Kovacs, G. G., and H. Budka.** 2008. Prion diseases: from protein to cell pathology. *Am J Pathol* **172**:555-65.
- **Kramer, M. L., C. Behrens, and W. J. Schulz-Schaeffer.** 2008. Selective

detection, quantification, and subcellular location of alpha-synuclein aggregates with a protein aggregate filtration assay. *Biotechniques* **44**:403-11.

- **Krammer, C., M. H. Suhre, E. Kremmer, C. Diemer, S. Hess, H. M. Schatzl, T. Scheibel, and I. Vorberg.** 2008. Prion protein/protein interactions: fusion with yeast Sup35p-NM modulates cytosolic PrP aggregation in mammalian cells. *Faseb J* **22**:762-73.
- **Krasnianski, A., M. Bartl, P. J. Sanchez Juan, U. Heinemann, B. Meissner, D. Vargas, U. Schulze-Sturm, H. A. Kretzschmar, W. J. Schulz-Schaeffer, and I. Zerr.** 2008. Fatal familial insomnia: Clinical features and early identification. *Ann Neurol* **63**:658-61.
- **Krasnianski, A., K. Kallenberg, D. A. Collie, B. Meissner, W. J. Schulz-Schaeffer, U. Heinemann, D. Vargas, D. M. Summers, H. A. Kretzschmar, T. Talbot, R. G. Will, and I. Zerr.** 2008. MRI in the classical MM1 and the atypical MV2 subtypes of sporadic CJD: an inter-observer agreement study. *Eur J Neurol* **15**:762-71.
- **Krasnianski, A., N. von Ahsen, U. Heinemann, B. Meissner, H. A. Kretzschmar, V. W. Armstrong, and I. Zerr.** 2008. ApoE distribution and family history in genetic prion diseases in Germany. *J Mol Neurosci* **34**:45-50.
- **Kretlow, A., Q. Wang, M. Beekes, D. Naumann, and L. M. Miller.** 2008. Changes in protein structure and distribution observed at pre-clinical stages of scrapie pathogenesis. *Biochim Biophys Acta*.
- **Kunkle, R. A., E. M. Nicholson, S. Lebepe-Mazur, D. L. Orcutt, M. L. Srinivas, J. J. Greenlee, D. P. Alt, and A. N. Hamir.** 2008. Western blot detection of PrP Sc in archived paraffin-embedded brainstem from scrapie-affected sheep. *J Vet Diagn Invest* **20**:522-6.
- **Kunze, S., K. Lemke, J. Metze, G. Bloukas, K. Kotta, C. H. Panagiotidis, T. Sklaviadis, and W. Bodemer.** 2008. Atomic force microscopy to characterize the molecular size of prion protein. *J Microsc* **230**:224-32.
- **Laegreid, W. W., M. L. Clawson, M. P. Heaton, B. T. Green, K. I. O'Rourke, and D. P. Knowles.** 2008. Scrapie Resistance in ARQ Sheep. *J Virol*.
- **Lai, J., G. Ru, F. Ingravalle, J. Choiseul, J. S. Jorgensen, M. B. Millan, J. Vancutsem, F. Wernitznig, D. Marchis, and L. Decastelli.** 2008. European interlaboratory trial regarding the official microscopic method for the detection of the presence of animal constituents in feedstuffs. *J Food Prot* **71**:578-83.
- **Lawson, V. A., L. J. Vella, J. D. Stewart, R. A. Sharples, H. Klemm, D. M. Machalek, C. L. Masters, R. Cappai, S. J. Collins, and A. F. Hill.** 2008. Mouse-adapted sporadic human Creutzfeldt-Jakob disease prions propagate in cell culture. *Int J Biochem Cell Biol*.
- **LeBrun, M., H. Huang, R. He, S. Booth, A. Balachandran, and X. Li.** 2008. Comparison of trichloroacetic acid with other protein-precipitating agents in

- enriching abnormal prion protein for Western blot analysis. *Can J Microbiol* **54**:467-71.
- **Leiby, D. A., M. L. Nguyen, and E. P. Notari.** 2008. Impact of donor deferrals for malaria on blood availability in the United States. *Transfusion*.
 - **Leliveld, S. R., L. Stitz, and C. Korth.** 2008. Expansion of the octarepeat domain alters the misfolding pathway but not the folding pathway of the prion protein. *Biochemistry* **47**:6267-78.
 - **Lemmer, K., M. Mielke, C. Kratzel, M. Joncic, M. Oezel, G. Pauli, and M. Beekes.** 2008. Decontamination of surgical instruments from prions. II. In vivo findings with a model system for testing the removal of scrapie infectivity from steel surfaces. *J Gen Virol* **89**:348-58.
 - **Levavasseur, E., I. Laffont-Proust, E. Morain, B. A. Faucheux, N. Privat, K. Peoc'h, V. Sazdovitch, J. P. Brandel, J. J. Hauw, and S. Haik.** 2008. Regulating factors of PrP glycosylation in Creutzfeldt-Jakob disease--implications for the dissemination and the diagnosis of human prion strains. *PLoS ONE* **3**:e2786.
 - **Liberski, P.** 2008. The tubulovesicular structures - the ultrastructural hallmark for all prion diseases. *Acta Neurobiol Exp (Wars)* **68**:113-21.
 - **Liberski, P.** 2008. Tubulovesicular structures are present in brains of hamsters infected with the Echigo-1 strain of Creutzfeldt-Jakob disease agent. *Acta Neurobiol Exp (Wars)* **68**:39-42.
 - **Liberski, P. P.** 2008. Prion diseases: a riddle wrapped in a mystery inside an enigma. *Folia Neuropathol* **46**:93-116.
 - **Liberski, P. P., D. R. Brown, B. Sikorska, B. Caughey, and P. Brown.** 2008. Cell death and autophagy in prion diseases (transmissible spongiform encephalopathies). *Folia Neuropathol* **46**:1-25.
 - **Liberski, P. P., and P. Brown.** 2008. Kuru: Its ramifications after fifty years. *Exp Gerontol*.
 - **Liberski, P. P., B. Sikorska, J. J. Hauw, N. Kopp, N. Streichenberger, P. Giraud, H. Budka, J. W. Boellaard, and P. Brown.** 2008. Tubulovesicular structures are a consistent (and unexplained) finding in the brains of humans with prion diseases. *Virus Res* **132**:226-8.
 - **Linden, R., V. R. Martins, M. A. Prado, M. Cammarota, I. Izquierdo, and R. R. Brentani.** 2008. Physiology of the prion protein. *Physiol Rev* **88**:673-728.
 - **Lipscomb, I. P., A. K. Sihota, and C. W. Keevil.** 2008. Comparison between visual analysis and microscope assessment of surgical instrument cleanliness from sterile service departments. *J Hosp Infect* **68**:52-8.
 - **Lipsky, S., H. Brandt, G. Luhken, and G. Erhardt.** 2008. Analysis of prion protein genotypes in relation to reproduction traits in local and cosmopolitan German

sheep breeds. *Anim Reprod Sci* **103**:69-77.

- **Lofgren, K., A. Wahlstrom, P. Lundberg, U. Langel, A. Graslund, and K. Bedecs.** 2008. Antiprion properties of prion protein-derived cell-penetrating peptides. *Faseb J* **22**:2177-84.
- **Lombardi, G., C. Casalone, D. A. A, D. Gelmetti, G. Torcoli, I. Barbieri, C. Corona, E. Fasoli, A. Farinazzo, M. Fiorini, M. Gelati, B. Iulini, F. Tagliavini, S. Ferrari, M. Caramelli, S. Monaco, L. Capucci, and G. Zanusso.** 2008. Intraspecies transmission of BASE induces clinical dullness and amyotrophic changes. *PLoS Pathog* **4**:e1000075.
- **Mahal, S. P., C. A. Demczyk, E. W. Smith, Jr., P. C. Klohn, and C. Weissmann.** 2008. Assaying prions in cell culture: the standard scrapie cell assay (SSCA) and the scrapie cell assay in end point format (SCEPA). *Methods Mol Biol* **459**:49-68.
- **Makovets, S., T. L. Williams, and E. H. Blackburn.** 2008. The telotype defines the telomere state in *Saccharomyces cerevisiae* and is inherited as a dominant non-Mendelian characteristic in cells lacking telomerase. *Genetics* **178**:245-57.
- **Maluquer de Motes, C., M. J. Cano, J. M. Torres, M. Pumarola, and R. Girones.** 2008. Detection and survival of prion agents in aquatic environments. *Water Res* **42**:2465-72.
- **Maluquer de Motes, C., J. Grassi, S. Simon, M. E. Herva, J. M. Torres, M. Pumarola, and R. Girones.** 2008. Excretion of BSE and scrapie prions in stools from murine models. *Vet Microbiol* **131**:205-11.
- **Marcos-Carcavilla, A., J. H. Calvo, C. Gonzalez, K. Moazami-Goudarzi, P. Laurent, M. Bertaud, H. Hayes, A. E. Beattie, C. Serrano, J. Lyahyai, I. Martin-Burriel, and M. Serrano.** 2008. Structural and functional analysis of the HSP90AA1 gene: distribution of polymorphisms among sheep with different responses to scrapie. *Cell Stress Chaperones* **13**:19-29.
- **Marcos-Carcavilla, A., J. H. Calvo, C. Gonzalez, C. Serrano, K. Moazami-Goudarzi, P. Laurent, M. Bertaud, H. Hayes, A. E. Beattie, J. Lyahyai, I. Martin-Burriel, J. M. Torres, and M. Serrano.** 2008. Structural and functional analysis of the ovine laminin receptor gene (RPSA): Possible involvement of the LRP/LR protein in scrapie response. *Mamm Genome* **19**:92-105.
- **Martin, M., T. Thomas, H. Ekkehard, and S. Katharina.** 2008. Transcranial ultrasound of the basal ganglia in sporadic Creutzfeldt-Jakob disease. *J Neuroimaging* **18**:154-7.
- **Matus, S., F. Lisbona, M. Torres, C. Leon, P. Thielen, and C. Hetz.** 2008. The stress rheostat: an interplay between the unfolded protein response (UPR) and autophagy in neurodegeneration. *Curr Mol Med* **8**:157-72.
- **Mayer-Sonnenfeld, T., D. Avrahami, Y. Friedman-Levi, and R. Gabizon.** 2008. Chemically Induced Accumulation of GAGs Delays PrP(Sc) Clearance but

Prolongs Prion Disease Incubation Time. *Cell Mol Neurobiol*.

- **McIntyre, K. M., V. J. del Rio Vilas, and S. Gubbins.** 2008. No temporal trends in the prevalence of atypical scrapie in British sheep, 2002-2006. *BMC Vet Res* **4**:13.
- **Mead, S., M. Poulter, J. Beck, J. Uphill, C. Jones, C. E. Ang, C. A. Mein, and J. Collinge.** 2008. Successful amplification of degraded DNA for use with high-throughput SNP genotyping platforms. *Hum Mutat*.
- **Millar, T., C. Lerpiniere, R. Walker, C. Smith, and J. E. Bell.** 2008. Postmortem tissue donation for research: a positive opportunity? *Br J Nurs* **17**:644-9.
- **Mishra, R., L. Olofsson, M. Karlsson, U. Carlsson, I. A. Nicholls, and P. Hammarstrom.** 2008. A conformationally isoformic thermophilic protein with high kinetic unfolding barriers. *Cell Mol Life Sci* **65**:827-39.
- **Mittelbronn, M., D. Capper, B. Bader, J. Schittenhelm, J. Haybaeck, P. Weber, R. Meyermann, H. A. Kretzschmar, and H. Wietholter.** 2008. Severe hypoxia and multiple infarctions resembling Creutzfeldt-Jakob disease. *Folia Neuropathol* **46**:149-53.
- **Mollenhauer, B., V. Cullen, I. Kahn, B. Krastins, T. F. Outeiro, I. Pepivani, J. Ng, W. Schulz-Schaeffer, H. A. Kretzschmar, P. J. McLean, C. Trenkwalder, D. A. Sarracino, J. P. Vonsattel, J. J. Locascio, O. M. El-Agnaf, and M. G. Schlossmacher.** 2008. Direct quantification of CSF alpha-synuclein by ELISA and first cross-sectional study in patients with neurodegeneration. *Exp Neurol*.
- **Morel, E., S. Fouquet, C. Strup-Perrot, C. P. Thievend, C. Petit, D. Loew, A. M. Faussat, L. Yvernault, M. Pincon-Raymond, J. Chambaz, M. Rousset, S. Thenet, and C. Clair.** 2008. The cellular prion protein PrP is involved in the proliferation of epithelial cells and in the distribution of junction-associated proteins. *PLoS ONE* **3**:e3000.
- **Moreno, C. R., G. M. Cosseddu, L. Schibler, A. Roig, K. Moazami-Goudarzi, O. Andreatti, F. Eycheche, D. Lajous, F. Schelcher, E. P. Cribiu, P. Laurent, D. Vaiman, and J. M. Elsen.** 2008. Identification of new quantitative trait Loci (other than the PRNP gene) modulating the scrapie incubation period in sheep. *Genetics* **179**:723-6.
- **Mouillet-Richard, S., N. Nishida, E. Pradines, H. Laude, B. Schneider, C. Feraudet, J. Grassi, J. M. Launay, S. Lehmann, and O. Kellermann.** 2008. Prions Impair Bioaminergic Functions through Serotonin- or Catecholamine-derived Neurotoxins in Neuronal Cells. *J Biol Chem* **283**:23782-23790.
- **Mourits, M. P., H. K. Wyrdeeman, I. M. Jurgenliemk-Schulz, and E. Bidlot.** 2008. Favorable long-term results of primary pterygium removal by bare sclera extirpation followed by a single 90Strontium application. *Eur J Ophthalmol* **18**:327-31.
- **Muller-Schiffmann, A., and C. Korth.** 2008. Vaccine approaches to prevent and

treat prion infection : progress and challenges. *BioDrugs* **22**:45-52.

- **Murray, K., D. L. Ritchie, M. Bruce, C. A. Young, M. Doran, J. W. Ironside, and R. G. Will.** 2008. Sporadic Creutzfeldt-Jakob disease in two adolescents. *J Neurol Neurosurg Psychiatry* **79**:14-8.
- **Nadifi, S., I. Slassi, K. M. Hachimi, B. Gazzaz, H. Bellayou, K. Raddaoui, and J. L. Laplanche.** 2008. The normal distribution of PRNP codon 129 polymorphism in the Moroccan population (Arabs and Casablanca residents). *Pathol Biol (Paris)* **56**:133-6.
- **Namy, O., A. Galopier, C. Martini, S. Matsufuji, C. Fabret, and J. P. Rousset.** 2008. Epigenetic control of polyamines by the prion [PSI(+)]. *Nat Cell Biol.*
- **Natalello, A., V. V. Prokorov, F. Tagliavini, M. Morbin, G. Forloni, M. Beeg, C. Manzoni, L. Colombo, M. Gobbi, M. Salmona, and S. M. Doglia.** 2008. Conformational plasticity of the Gerstmann-Straussler-Scheinker disease peptide as indicated by its multiple aggregation pathways. *J Mol Biol* **381**:1349-61.
- **Nguyen, T. H., C. Y. Lee, K. Teruya, W. Y. Ong, K. Doh-ura, and M. L. Go.** 2008. Antiprion activity of functionalized 9-aminoacridines related to quinacrine. *Bioorg Med Chem* **16**:6737-46.
- **Nicholson, E. M., B. W. Brunelle, J. A. Richt, M. E. Kehrl, Jr., and J. J. Greenlee.** 2008. Identification of a heritable polymorphism in bovine PRNP associated with genetic transmissible spongiform encephalopathy: evidence of heritable BSE. *PLoS ONE* **3**:e2912.
- **Nikles, D., K. Vana, S. Gauczynski, H. Knetsch, H. Ludewigs, and S. Weiss.** 2008. Subcellular localization of prion proteins and the 37 kDa/67 kDa laminin receptor fused to fluorescent proteins. *Biochim Biophys Acta* **1782**:335-40.
- **Noinville, S., J. F. Chich, and H. Rezaei.** 2008. Misfolding of the prion protein: linking biophysical and biological approaches. *Vet Res* **39**:48.
- **Notari, S., R. Strammiello, S. Capellari, A. Giese, M. Cescatti, J. Grassi, B. Ghetti, J. P. Langeveld, W. Q. Zou, P. Gambetti, H. A. Kretzschmar, and P. Parchi.** 2008. Characterization of truncated forms of abnormal prion protein in Creutzfeldt-Jakob disease. *J Biol Chem.*
- **Nunez Cuerda, E., L. de Matias Salce, J. Colas Rubio, M. J. Martin Barranco, and F. Marcos Sanchez.** 2008. [Creutzfeldt-Jakob disease: two new cases in Talavera de la Reina]. *Rev Clin Esp* **208**:193-6.
- **Oglecka, K., P. Lundberg, M. Magzoub, L. E. Goran Eriksson, U. Langel, and A. Graslund.** 2008. Relevance of the N-terminal NLS-like sequence of the prion protein for membrane perturbation effects. *Biochim Biophys Acta* **1778**:206-13.
- **Oh, J. M., H. Y. Shin, S. J. Park, B. H. Kim, J. K. Choi, E. K. Choi, R. I. Carp, and Y. S. Kim.** 2008. The involvement of cellular prion protein in the autophagy

pathway in neuronal cells. *Mol Cell Neurosci*.

- **O'Shea, M., E. G. Maytham, J. M. Linehan, S. Brandner, J. Collinge, and S. Lloyd.** 2008. Investigation of *Mcp1* as a Quantitative Trait Gene for Prion Disease Incubation Time in Mouse. *Genetics*.
- **Ott, D., C. Taraborrelli, and A. Aguzzi.** 2008. Novel dominant-negative prion protein mutants identified from a randomized library. *Protein Eng Des Sel*.
- **Pamplona, R., E. Ilieva, V. Ayala, M. J. Bellmunt, D. Cacabelos, E. Dalfo, I. Ferrer, and M. Portero-Otin.** 2008. Maillard reaction versus other nonenzymatic modifications in neurodegenerative processes. *Ann N Y Acad Sci* **1126**:315-9.
- **Pamplona, R., A. Naudi, R. Gavin, M. A. Pastrana, G. Sajnani, E. V. Ilieva, J. A. Del Rio, M. Portero-Otin, I. Ferrer, and J. R. Requena.** 2008. Increased oxidation, glycooxidation, and lipoxidation of brain proteins in prion disease. *Free Radic Biol Med*.
- **Panza, G., J. Stohr, E. Birkmann, D. Riesner, D. Willbold, O. Baba, T. Terashima, and C. Dumpitak.** 2008. Aggregation and amyloid fibril formation of the prion protein is accelerated in the presence of glycogen. *Rejuvenation Res* **11**:365-9.
- **Panza, G., J. Stohr, C. Dumpitak, D. Papathanassiou, J. Weiss, D. Riesner, D. Willbold, and E. Birkmann.** 2008. Spontaneous and BSE-prion-seeded amyloid formation of full length recombinant bovine prion protein. *Biochem Biophys Res Commun* **373**:493-7.
- **Papacostas, S., A. Malikides, M. Petsa, and T. Kyriakides.** 2008. Ten-year mortality from Creutzfeldt-Jakob disease in Cyprus. *East Mediterr Health J* **14**:715-9.
- **Paquet, C., N. Privat, R. Kaci, M. Polivka, O. Dupont, S. Haik, J. L. Laplanche, J. J. Hauw, and F. Gray.** 2008. Cerebral amyloid angiopathy with co-localization of prion protein and beta-amyloid in an 85-year-old patient with sporadic Creutzfeldt-Jakob disease. *Acta Neuropathol*.
- **Parchi, P., S. Notari, P. Weber, H. Schimmel, H. Budka, I. Ferrer, S. Haik, J. J. Hauw, M. W. Head, J. W. Ironside, L. Limido, A. Rodriguez, T. Strobel, F. Tagliavini, and H. A. Kretzschmar.** 2008. Inter-Laboratory Assessment of PrP(Sc) Typing in Creutzfeldt-Jakob Disease: A Western Blot Study within the NeuroPrion Consortium. *Brain Pathol*.
- **Parkyn, C. J., E. G. Vermeulen, R. C. Mootoosamy, C. Sunyach, C. Jacobsen, C. Oxvig, S. Moestrup, Q. Liu, G. Bu, A. Jen, and R. J. Morris.** 2008. LRP1 controls biosynthetic and endocytic trafficking of neuronal prion protein. *J Cell Sci* **121**:773-83.
- **Perrett, S., and G. W. Jones.** 2008. Insights into the mechanism of prion propagation. *Curr Opin Struct Biol* **18**:52-9.

- **Perucchini, M., K. Griffin, M. W. Miller, and W. Goldmann.** 2008. PrP genotypes of free-ranging wapiti (*Cervus elaphus nelsoni*) with chronic wasting disease. *J Gen Virol* **89**:1324-8.
- **Petrakis, S., T. Irinopoulou, C. H. Panagiotidis, R. Engelstein, J. Lindstrom, A. Orr-Urtreger, R. Gabizon, N. Grigoriadis, and T. Sklaviadis.** 2008. Cellular prion protein co-localizes with nAChR beta4 subunit in brain and gastrointestinal tract. *Eur J Neurosci* **27**:612-20.
- **Pichler, R., I. Ciovica, J. Rachinger, S. Weiss, and F. T. Aichner.** 2008. Multitracer study in Heidenhain variant of Creutzfeldt-Jakob disease: mismatch pattern of cerebral hypometabolism and perfusion imaging. *Neuro Endocrinol Lett* **29**:67-8.
- **Pocchiari, M., A. Ladogana, S. Graziano, and M. Puopolo.** 2008. Creutzfeldt-Jakob disease: hopes for therapy. *Eur J Neurol* **15**:435-6.
- **Poelsler, G., A. Berting, J. Kindermann, M. Spruth, T. Hammerle, W. Teschner, H. P. Schwarz, and T. R. Kreil.** 2008. A new liquid intravenous immunoglobulin with three dedicated virus reduction steps: virus and prion reduction capacity. *Vox Sang* **94**:184-92.
- **Polak, M. P., J. F. Zmudzinski, J. G. Jacobs, and J. P. Langeveld.** 2008. Atypical status of bovine spongiform encephalopathy in Poland: a molecular typing study. *Arch Virol* **153**:69-79.
- **Poleggi, A., A. Bizzarro, A. Acciarri, P. Antuono, S. Bagnoli, E. Cellini, G. D. Forno, C. Giannattasio, A. Lauria, M. G. Matera, B. Nacmias, M. Puopolo, D. Seripa, S. Sorbi, D. R. Wekstein, M. Pocchiari, and C. Masullo.** 2008. Codon 129 polymorphism of prion protein gene in sporadic Alzheimer's disease. *Eur J Neurol* **15**:173-8.
- **Polymenidou, M., H. Trusheim, L. Stallmach, R. Moos, C. Julius, G. Miele, C. Lenz-Bauer, and A. Aguzzi.** 2008. Canine MDCK cell lines are refractory to infection with human and mouse prions. *Vaccine* **26**:2601-14.
- **Powell, A. D., E. C. Toescu, J. Collinge, and J. G. Jefferys.** 2008. Alterations in Ca²⁺-buffering in prion-null mice: association with reduced afterhyperpolarizations in CA1 hippocampal neurons. *J Neurosci* **28**:3877-86.
- **Pradines, E., D. Loubet, B. Schneider, J. M. Launay, O. Kellermann, and S. Mouillet-Richard.** 2008. CREB-dependent gene regulation by prion protein: Impact on MMP-9 and beta-dystroglycan. *Cell Signal*.
- **Prestori, F., P. Rossi, B. Bearzatto, J. Laine, D. Necchi, S. Diwakar, S. N. Schiffmann, H. Axelrad, and E. D'Angelo.** 2008. Altered neuron excitability and synaptic plasticity in the cerebellar granular layer of juvenile prion protein knock-out mice with impaired motor control. *J Neurosci* **28**:7091-103.
- **Principe, S., B. Maras, M. E. Schinina, M. Pocchiari, and F. Cardone.** 2008. Unraveling the details of prion (con)formation(s): Recent advances by mass

spectrometry. *Curr Opin Drug Discov Devel* **11**:697-707.

- **Privat, N., I. Laffont-Proust, B. A. Faucheux, V. Sazdovitch, Y. Frobert, J. L. Laplanche, J. Grassi, J. J. Hauw, and S. Haik.** 2008. Human prion diseases: from antibody screening to a standardized fast immunodiagnosis using automation. *Mod Pathol* **21**:140-9.
- **Provini, F., R. Vetrugno, G. Pierangeli, P. Cortelli, G. Rizzo, A. Filla, C. Strisciuglio, R. Gallassi, and P. Montagna.** 2008. Sleep and temperature rhythms in two sisters with P102L Gerstmann-Straussler-Scheinker (GSS) disease. *Sleep Med.*
- **Quillfeldt, P., G. Ruiz, M. A. Rivera, and J. F. Masello.** 2008. Variability in leucocyte profiles in thin-billed prions *Pachyptila belcheri*. *Comp Biochem Physiol A Mol Integr Physiol* **150**:26-31.
- **Ragno, M., M. G. Scarcella, G. Cacchio, S. Capellari, F. Di Marzio, P. Parchi, and L. Trojano.** 2008. Striatal [123I] FP-CIT SPECT demonstrates dopaminergic deficit in a sporadic case of Creutzfeldt-Jakob disease. *Acta Neurol Scand.*
- **Rambold, A. S., M. Miesbauer, D. Olschewski, R. Seidel, C. Riemer, L. Smale, L. Brumm, M. Levy, E. Gazit, D. Oesterhelt, M. Baier, C. F. Becker, M. Engelhard, K. F. Winklhofer, and J. Tatzelt.** 2008. Green tea extracts interfere with the stress-protective activity of PrP(C) and the formation of PrP(Sc). *J Neurochem.*
- **Rambold, A. S., V. Muller, U. Ron, N. Ben-Tal, K. F. Winklhofer, and J. Tatzelt.** 2008. Stress-protective signalling of prion protein is corrupted by scrapie prions. *Embo J* **27**:1974-84.
- **Ramljak, S., A. R. Asif, V. W. Armstrong, A. Wrede, M. H. Groschup, A. Buschmann, W. Schulz-Schaeffer, W. Bodemer, and I. Zerr.** 2008. Physiological role of the cellular prion protein (PrPc): protein profiling study in two cell culture systems. *J Proteome Res* **7**:2681-95.
- **Ratte, S., S. A. Prescott, J. Collinge, and J. G. Jefferys.** 2008. Hippocampal bursts caused by changes in NMDA receptor-dependent excitation in a mouse model of variant CJD. *Neurobiol Dis.*
- **Richer, E., S. T. Qureshi, S. M. Vidal, and D. Malo.** 2008. Chemical mutagenesis: a new strategy against the global threat of infectious diseases. *Mamm Genome* **19**:309-17.
- **Riemer, C., M. Burwinkel, A. Schwarz, S. Gultner, S. W. Mok, I. Heise, N. Holtkamp, and M. Baier.** 2008. Evaluation of drugs for treatment of prion infections of the central nervous system. *J Gen Virol* **89**:594-7.
- **Riihimaki, E. S., J. M. Martinez, and L. Kloo.** 2008. Structural effects of Cu(II)-coordination in the octapeptide region of the human prion protein. *Phys Chem Chem Phys* **10**:2488-95.

- **Roeber, S., E. M. Grasbon-Frodol, O. Windl, B. Krebs, W. Xiang, C. Vollmert, T. Illig, A. Schroter, T. Arzberger, P. Weber, I. Zerr, and H. A. Kretzschmar.** 2008. Evidence for a pathogenic role of different mutations at codon 188 of PRNP. *PLoS ONE* **3**:e2147.
- **Roeber, S., I. R. Mackenzie, H. A. Kretzschmar, and M. Neumann.** 2008. TDP-43-negative FTL-D is a significant new clinico-pathological subtype of FTL-D. *Acta Neuropathol* **116**:147-57.
- **Ronga, L., P. Palladino, G. Saviano, T. Tancredi, E. Benedetti, R. Ragone, and F. Rossi.** 2008. Structural characterization of a neurotoxic threonine-rich peptide corresponding to the human prion protein alpha2-helical 180-195 segment, and comparison with full-length alpha2-helix-derived peptides. *J Pept Sci.*
- **Ruan, Q. X., P. Zhou, B. W. Hu, and D. Ji.** 2008. An investigation into the effect of potassium ions on the folding of silk fibroin studied by generalized two-dimensional NMR-NMR correlation and Raman spectroscopy. *Febs J* **275**:219-32.
- **Rubel, A. A., A. F. Saifitdinova, A. G. Lada, A. A. Nizhnikov, S. G. Inge-Vechtomov, and A. P. Galkin.** 2008. [Yeast chaperone Hsp104 regulates gene expression on the posttranscriptional level]. *Mol Biol (Mosk)* **42**:123-30.
- **Sabate, R., I. Lascu, and S. J. Saupe.** 2008. On the binding of Thioflavin-T to HET-s amyloid fibrils assembled at pH 2. *J Struct Biol* **162**:387-96.
- **Sacquin, A., A. S. Bergot, P. Aucouturier, and M. Bruley-Rosset.** 2008. Contribution of antibody and T cell-specific responses to the progression of 139A-scrapie in C57BL/6 mice immunized with prion protein peptides. *J Immunol* **181**:768-75.
- **Sadlish, H., H. Rampelt, J. Shorter, R. D. Wegrzyn, C. Andreasson, S. Lindquist, and B. Bukau.** 2008. Hsp110 chaperones regulate prion formation and propagation in *S. cerevisiae* by two discrete activities. *PLoS ONE* **3**:e1763.
- **Safar, J. G., P. Lessard, G. Tamguney, Y. Freyman, C. Deering, F. Letessier, S. J. Dearmond, and S. B. Prusiner.** 2008. Transmission and detection of prions in feces. *J Infect Dis* **198**:81-9.
- **Sarkar, S., and D. C. Rubinsztein.** 2008. Small molecule enhancers of autophagy for neurodegenerative diseases. *Mol Biosyst* **4**:895-901.
- **Sarradin, P., S. Melo, C. Barc, C. Lecomte, O. Andreoletti, F. Lantier, J. L. Dacheux, and J. L. Gatti.** 2008. Semen from scrapie-infected rams does not transmit prion infection to transgenic mice. *Reproduction* **135**:415-8.
- **Schmalzbauer, R., S. Eigenbrod, S. Winoto-Morbach, W. Xiang, S. Schutze, U. Bertsch, and H. A. Kretzschmar.** 2008. Evidence for an association of prion protein and sphingolipid-mediated signaling. *J Neurochem* **106**:1459-70.
- **Schonenbrucher, H., R. Adhikary, P. Mukherjee, T. A. Casey, M. A.**

- Rasmussen, F. D. Maistrovich, A. N. Hamir, M. E. Kehrli, Jr., J. A. Richt, and J. W. Petrich.** 2008. Fluorescence-based method, exploiting lipofuscin, for real-time detection of central nervous system tissues on bovine carcasses. *J Agric Food Chem* **56**:6220-6.
- **Seeger, H., C. Julius, C. Cozzari, A. M. Calella, M. Dattilo, and A. Aguzzi.** 2008. Prion depletion and preservation of biological activity by preparative chaotrope ultracentrifugation. *Biologicals*.
 - **Segundo, F. D., N. Sevilla, J. P. Gutierrez, and A. Brun.** 2008. Altered lymphocyte homeostasis after oral prion infection in mouse. *Vet Immunol Immunopathol* **122**:204-15.
 - **Sellarajah, S., C. Boussard, T. Lekishvili, D. R. Brown, and I. H. Gilbert.** 2008. Synthesis and testing of peptides for anti-prion activity. *Eur J Med Chem*.
 - **Shibao, C., E. M. Garland, A. Gamboa, C. L. Vnencak-Jones, M. Van Woeltz, J. L. Haines, C. Yu, and I. Biaggioni.** 2008. PRNP M129V homozygosity in multiple system atrophy vs. Parkinson's disease. *Clin Auton Res* **18**:13-9.
 - **Sigurdson, C. J.** 2008. A prion disease of cervids: Chronic wasting disease. *Vet Res* **39**:41.
 - **Sigurdson, C. J., C. K. Mathiason, M. R. Perrott, G. A. Eliason, T. R. Spraker, M. Glatzel, G. Manco, J. C. Bartz, M. W. Miller, and E. A. Hoover.** 2008. Experimental chronic wasting disease (CWD) in the ferret. *J Comp Pathol* **138**:189-96.
 - **Sikorska, B., P. P. Liberski, and P. Brown.** 2008. Subependymal plaques in scrapie-affected hamster brains--why are they so different from compact kuru plaques? *Folia Neuropathol* **46**:32-42.
 - **Sikorska, B., P. P. Liberski, T. Sobow, H. Budka, and J. W. Ironside.** 2008. Ultrastructural study of florid plaques in variant Creutzfeldt-Jakob disease: a comparison with amyloid plaques in kuru, sporadic Creutzfeldt-Jakob disease and Gerstmann-Straussler-Scheinker disease. *Neuropathol Appl Neurobiol*.
 - **Simmons, M. M., J. Spiropoulos, S. A. Hawkins, S. J. Bellworthy, and S. C. Tongue.** 2008. Approaches to investigating transmission of spongiform encephalopathies in domestic animals using BSE as an example. *Vet Res* **39**:34.
 - **Simon, S., J. Nugier, N. Morel, H. Boutal, C. Creminon, S. L. Benestad, O. Andreoletti, F. Lantier, J. M. Bilheude, M. Feysaguet, A. G. Biacabe, T. Baron, and J. Grassi.** 2008. Rapid typing of transmissible spongiform encephalopathy strains with differential ELISA. *Emerg Infect Dis* **14**:608-16.
 - **Siso, S., M. Jeffrey, P. Steele, G. McGovern, S. Martin, J. Finlayson, F. Chianini, and L. Gonzalez.** 2008. Occurrence and cellular localization of PrPd in kidneys of scrapie-affected sheep in the absence of inflammation. *J Pathol* **215**:126-34.

- **Skinningsrud, A., V. Stenset, A. S. Gundersen, and T. Fladby.** 2008. Cerebrospinal fluid markers in Creutzfeldt-Jakob disease. *Cerebrospinal Fluid Res* **5**:14.
- **Smith, J. D., J. J. Greenlee, A. N. Hamir, and M. H. West Greenlee.** 2008. Retinal cell types are differentially affected in sheep with scrapie. *J Comp Pathol* **138**:12-22.
- **Song, C. H., H. Furuoka, C. L. Kim, M. Ogino, A. Suzuki, R. Hasebe, and M. Horiuchi.** 2008. Effect of intraventricular infusion of anti-prion protein monoclonal antibodies on disease progression in prion-infected mice. *J Gen Virol* **89**:1533-44.
- **Song, P. J., S. Bernard, P. Sarradin, J. Vergote, C. Barc, S. Chalon, M. P. Kung, H. F. Kung, and D. Guilloteau.** 2008. IMPY, a potential beta-amyloid imaging probe for detection of prion deposits in scrapie-infected mice. *Nucl Med Biol* **35**:197-201.
- **Spilman, P., P. Lessard, M. Sattavat, C. Bush, T. Tousseyn, E. J. Huang, K. Giles, T. Golde, P. Das, A. Fauq, S. B. Prusiner, and S. J. Dearmond.** 2008. A gamma-secretase inhibitor and quinacrine reduce prions and prevent dendritic degeneration in murine brains. *Proc Natl Acad Sci U S A* **105**:10595-600.
- **Srikanth, R., J. Wilson, C. S. Burns, and R. W. Vachet.** 2008. Identification of the copper(II) coordinating residues in the prion protein by metal-catalyzed oxidation mass spectrometry: evidence for multiple isomers at low copper(II) loadings. *Biochemistry* **47**:9258-68.
- **Steele, A. D., G. Hutter, W. S. Jackson, F. L. Heppner, A. W. Borkowski, O. D. King, G. J. Raymond, A. Aguzzi, and S. Lindquist.** 2008. Heat shock factor 1 regulates lifespan as distinct from disease onset in prion disease. *Proc Natl Acad Sci U S A*.
- **Steen, V., M. Chou, V. Shanmugam, M. Mathias, T. Kuru, and R. Morrissey.** 2008. Exercise-induced pulmonary arterial hypertension in patients with systemic sclerosis. *Chest* **134**:146-51.
- **Stevenson, R., H. C. Baxter, A. Aitken, T. Brown, and R. L. Baxter.** 2008. Binding of 14-3-3 proteins to a single stranded oligodeoxynucleotide aptamer. *Bioorg Chem*.
- **Stewart, L. A., L. H. Rydzewska, G. F. Keogh, and R. S. Knight.** 2008. Systematic review of therapeutic interventions in human prion disease. *Neurology* **70**:1272-81.
- **Stohr, J., N. Weinmann, H. Wille, T. Kaimann, L. Nagel-Steger, E. Birkmann, G. Panza, S. B. Prusiner, M. Eigen, and D. Riesner.** 2008. Mechanisms of prion protein assembly into amyloid. *Proc Natl Acad Sci U S A* **105**:2409-14.
- **Struff, W. G., and G. Sprotte.** 2008. Bovine colostrum as a biologic in clinical medicine: a review--Part II: clinical studies. *Int J Clin Pharmacol Ther* **46**:211-

25.

- **Suazo, M., F. Olivares, M. A. Mendez, R. Pulgar, J. R. Prohaska, M. Arredondo, F. Pizarro, M. Olivares, M. Araya, and M. Gonzalez.** 2008. CCS and SOD1 mRNA are reduced after copper supplementation in peripheral mononuclear cells of individuals with high serum ceruloplasmin concentration. *J Nutr Biochem* **19**:269-74.
- **Sun, X., Y. Gan, T. Tang, X. Zhang, and K. Dai.** 2008. In vitro proliferation and differentiation of human mesenchymal stem cells cultured in autologous plasma derived from bone marrow. *Tissue Eng Part A* **14**:391-400.
- **Sutton, K. L., H. T. Banks, and C. Castillo-Chavez.** 2008. Estimation of invasive pneumococcal disease dynamics parameters and the impact of conjugate vaccination in Australia. *Math Biosci Eng* **5**:175-204.
- **Suzuki, S. Y., M. Takata, K. Teruya, M. Shinagawa, S. Mohri, and T. Yokoyama.** 2008. Conformational change in hamster scrapie prion protein (PrP²⁷⁻³⁰) associated with proteinase K resistance and prion infectivity. *J Vet Med Sci* **70**:159-65.
- **Takenouchi, T., Y. Iwamaru, T. Yokoyama, and H. Kitani.** 2008. [Establishment and characterization of prion-infected microglial cells]. *Seikagaku* **80**:642-6.
- **Tamguney, G., K. Giles, D. V. Glidden, P. Lessard, H. Wille, P. Tremblay, D. F. Groth, F. Yehiely, C. Korth, R. C. Moore, J. Tatzelt, E. Rubinstein, C. Boucheix, X. Yang, P. Stanley, M. P. Lisanti, R. A. Dwek, P. M. Rudd, J. Moskovitz, C. J. Epstein, T. D. Cruz, W. A. Kuziel, N. Maeda, J. Sap, K. H. Ashe, G. A. Carlson, I. Teseur, T. Wyss-Coray, L. Mucke, K. H. Weisgraber, R. W. Mahley, F. E. Cohen, and S. B. Prusiner.** 2008. Genes contributing to prion pathogenesis. *J Gen Virol* **89**:1777-88.
- **Thaa, B., R. Zahn, U. Matthey, P. M. Kroneck, A. Burkle, and G. Fritz.** 2008. The deletion of amino acids 114-121 in the TM1 domain of mouse prion protein stabilizes its conformation but does not affect the overall structure. *Biochim Biophys Acta* **1783**:1076-84.
- **Tongue, S. C., J. W. Wilesmith, J. Nash, M. Kossaibati, and J. Ryan.** 2008. The importance of the PrP genotype in active surveillance for ovine scrapie. *Epidemiol Infect* **136**:703-12.
- **Toupet, K., V. Compan, C. Crozet, C. Mourton-Gilles, N. Mestre-Frances, F. Ibos, P. Corbeau, J. M. Verdier, and V. Perrier.** 2008. Effective gene therapy in a mouse model of prion diseases. *PLoS ONE* **3**:e2773.
- **Tribouillard-Tanvier, D., V. Beringue, N. Desban, F. Gug, S. Bach, C. Voisset, H. Galons, H. Laude, D. Vilette, and M. Blondel.** 2008. Antihypertensive drug guanabenz is active in vivo against both yeast and mammalian prions. *PLoS ONE* **3**:e1981.
- **Tribouillard-Tanvier, D., S. Dos Reis, F. Gug, C. Voisset, V. Beringue, R.**

- Sabate, E. Kikovska, N. Talarek, S. Bach, C. Huang, N. Desban, S. J. Saupe, S. Supattapone, J. Y. Thuret, S. Chedin, D. Vilette, H. Galons, S. Sanyal, and M. Blondel.** 2008. Protein folding activity of ribosomal RNA is a selective target of two unrelated antiprion drugs. *PLoS ONE* **3**:e2174.
- **Trifilo, M. J., M. Sanchez-Alavez, L. Solfrosi, J. Bernard-Trifilo, S. Kunz, D. McGavern, and M. B. Oldstone.** 2008. Scrapie-induced defects in learning and memory of transgenic mice expressing anchorless prion protein are associated with alterations in the GABAergic pathway. *J Virol*.
 - **Truscott, J. E., and N. M. Ferguson.** 2008. Control of scrapie in the UK sheep population. *Epidemiol Infect*:1-12.
 - **Truscott, J. E., and N. M. Ferguson.** 2008. Transmission dynamics and mechanisms of endemicity of scrapie in the UK sheep population. *Epidemiol Infect*:1-13.
 - **Turu, M., M. Slevin, P. Ethirajan, A. Luque, A. Elsbali, A. Font, J. Gaffney, M. Cairols, P. Kumar, S. Kumar, and J. Krupinski.** 2008. The normal cellular prion protein and its possible role in angiogenesis. *Front Biosci* **13**:6491-500.
 - **Tuzi, N. L., E. Cancellotti, H. Baybutt, L. Blackford, B. Bradford, C. Plinston, A. Coghill, P. Hart, P. Piccardo, R. M. Barron, and J. C. Manson.** 2008. Host PrP glycosylation: a major factor determining the outcome of prion infection. *PLoS Biol* **6**:e100.
 - **Ulusoy, H., A. Bilgici, O. Kuru, N. Sarica, S. Arslan, and U. Erkorkmaz.** 2008. A new value of proximal femur geometry to evaluate hip fracture risk: true moment arm. *Hip Int* **18**:101-7.
 - **Uppington, K. M., and D. R. Brown.** 2008. Resistance of cell lines to prion toxicity aided by phospho-ERK expression. *J Neurochem* **105**:842-52.
 - **Uro-Coste, E., H. Cassard, S. Simon, S. Lugan, J. M. Bilheude, A. Perret-Liaudet, J. W. Ironside, S. Haik, C. Basset-Leobon, C. Lacroux, K. Peoch, N. Streichenberger, J. Langeveld, M. W. Head, J. Grassi, J. J. Hauw, F. Schelcher, M. B. Delisle, and O. Andreoletti.** 2008. Beyond PrP^{9res}) type 1/type 2 dichotomy in Creutzfeldt-Jakob disease. *PLoS Pathog* **4**:e1000029.
 - **Uro-Coste, E., H. Cassard, S. Simon, S. Lugan, J. M. Bilheude, A. Perret-Liaudet, J. W. Ironside, S. Haik, C. Basset-Leobon, C. Lacroux, K. Peoch, N. Streichenberger, J. Langeveld, M. W. Head, J. Grassi, J. J. Hauw, F. Schelcher, M. B. Delisle, and O. Andreoletti.** 2008. Beyond PrP res type 1/type 2 dichotomy in Creutzfeldt-Jakob disease. *PLoS Pathog* **4**:e1000029.
 - **Valli, A., J. J. Carrero, A. R. Qureshi, G. Garibotto, P. Barany, J. Axelsson, B. Lindholm, P. Stenvinkel, B. Anderstam, and M. E. Suliman.** 2008. Elevated serum levels of S-adenosylhomocysteine, but not homocysteine, are associated with cardiovascular disease in stage 5 chronic kidney disease patients. *Clin Chim Acta* **395**:106-110.

- **van Keulen, L. J., A. Bossers, and F. van Zijderveld.** 2008. TSE pathogenesis in cattle and sheep. *Vet Res* **39**:24.
- **van Keulen, L. J., M. E. Vromans, C. H. Dolstra, A. Bossers, and F. G. van Zijderveld.** 2008. Pathogenesis of bovine spongiform encephalopathy in sheep. *Arch Virol* **153**:445-53.
- **Varshney, M., P. S. Waggoner, C. P. Tan, K. Aubin, R. A. Montagna, and H. G. Craighead.** 2008. Prion protein detection using nanomechanical resonator arrays and secondary mass labeling. *Anal Chem* **80**:2141-8.
- **Vella, L. J., D. L. Greenwood, R. Cappai, J. P. Scheerlinck, and A. F. Hill.** 2008. Enrichment of prion protein in exosomes derived from ovine cerebral spinal fluid. *Vet Immunol Immunopathol* **124**:385-93.
- **Vella, L. J., and A. F. Hill.** 2008. Generation of cell lines propagating infectious prions and the isolation and characterization of cell-derived exosomes. *Methods Mol Biol* **459**:69-82.
- **Vella, L. J., R. A. Sharples, R. M. Nisbet, R. Cappai, and A. F. Hill.** 2008. The role of exosomes in the processing of proteins associated with neurodegenerative diseases. *Eur Biophys J* **37**:323-32.
- **Vidal, E., M. Marquez, A. J. Raeber, K. Meissner, B. Oesch, and M. Pumarola.** 2008. Applicability of a rapid chromatographic immunoassay for analysis of the distribution of PrPBSE in confirmed BSE cases. *Vet J* **177**:448-51.
- **Vidal, E., R. Tortosa, C. Costa, J. Benavides, O. Francino, E. Sanchez-Robert, V. Perez, and M. Pumarola.** 2008. Lack of PrP(sc) immunostaining in intracranial ectopic lymphoid follicles in a sheep with concomitant non-suppurative encephalitis and Nor98-like atypical scrapie: a case report. *Vet J* **177**:283-8.
- **Vidal, E., R. Tortosa, M. Marquez, A. Serafin, J. Hidalgo, and M. Pumarola.** 2008. Infection of metallothionein 1+2 knockout mice with Rocky Mountain Laboratory scrapie. *Brain Res* **1196**:140-50.
- **Vidal, R., A. G. Barbeito, L. Miravalle, and B. Ghetti.** 2008. Cerebral Amyloid Angiopathy and Parenchymal Amyloid Deposition in Transgenic Mice Expressing the Danish Mutant Form of Human BRI(2). *Brain Pathol.*
- **Vilette, D.** 2008. Cell models of prion infection. *Vet Res* **39**:10.
- **Voigtlander, T., U. Unterberger, M. Guentchev, B. Schwaller, M. R. Celio, M. Meyer, and H. Budka.** 2008. The role of parvalbumin and calbindin D28k in experimental scrapie. *Neuropathol Appl Neurobiol* **34**:435-45.
- **von Poser-Klein, C., E. Flechsig, T. Hoffmann, P. Schwarz, H. Harms, R. Bujdoso, A. Aguzzi, and M. A. Klein.** 2008. Alteration of B-cell subsets enhances neuroinvasion in mouse scrapie infection. *J Virol* **82**:3791-5.

- **Wadsworth, J. D., S. Joiner, J. M. Linehan, M. Desbruslais, K. Fox, S. Cooper, S. Cronier, E. A. Asante, S. Mead, S. Brandner, A. F. Hill, and J. Collinge.** 2008. Kuru prions and sporadic Creutzfeldt-Jakob disease prions have equivalent transmission properties in transgenic and wild-type mice. *Proc Natl Acad Sci U S A* **105**:3885-90.
- **Wadsworth, J. D., C. Powell, J. A. Beck, S. Joiner, J. M. Linehan, S. Brandner, S. Mead, and J. Collinge.** 2008. Molecular diagnosis of human prion disease. *Methods Mol Biol* **459**:197-227.
- **Walker, J. T., J. Dickinson, J. M. Sutton, P. D. Marsh, and N. D. Raven.** 2008. Implications for Creutzfeldt-Jakob disease (CJD) in dentistry: a review of current knowledge. *J Dent Res* **87**:511-9.
- **Wan, J., X. Bai, W. Liu, J. Xu, M. Xu, and H. Gao.** 2008. Polymorphism of prion protein gene in Arctic fox (*Vulpes lagopus*). *Mol Biol Rep.*
- **Wang, H., M. L. Duennwald, B. E. Roberts, L. M. Rozeboom, Y. L. Zhang, A. D. Steele, R. Krishnan, L. J. Su, D. Griffin, S. Mukhopadhyay, E. J. Hennessy, P. Weigele, B. J. Blanchard, J. King, A. A. Deniz, S. L. Buchwald, V. M. Ingram, S. Lindquist, and J. Shorter.** 2008. Direct and selective elimination of specific prions and amyloids by 4,5-dianilinophthalimide and analogs. *Proc Natl Acad Sci U S A* **105**:7159-64.
- **Wang, J., E. Martin, V. Gonzales, D. R. Borchelt, and M. K. Lee.** 2008. Differential regulation of small heat shock proteins in transgenic mouse models of neurodegenerative diseases. *Neurobiol Aging* **29**:586-97.
- **Ward, H. J., D. Everington, S. N. Cousens, B. Smith-Bathgate, M. Gillies, K. Murray, R. S. Knight, P. G. Smith, and R. G. Will.** 2008. Risk factors for sporadic Creutzfeldt-Jakob disease. *Ann Neurol* **63**:347-54.
- **Wasmer, C., A. Lange, H. Van Melckebeke, A. B. Siemer, R. Riek, and B. H. Meier.** 2008. Amyloid fibrils of the HET-s(218-289) prion form a beta solenoid with a triangular hydrophobic core. *Science* **319**:1523-6.
- **Wasmer, C., A. Soragni, R. Sabate, A. Lange, R. Riek, and B. H. Meier.** 2008. Infectious and noninfectious amyloids of the HET-s(218-289) prion have different NMR spectra. *Angew Chem Int Ed Engl* **47**:5839-41.
- **Watanabe, M., M. E. Suliman, A. R. Qureshi, E. Garcia-Lopez, P. Barany, O. Heimburger, P. Stenvinkel, and B. Lindholm.** 2008. Consequences of low plasma histidine in chronic kidney disease patients: associations with inflammation, oxidative stress, and mortality. *Am J Clin Nutr* **87**:1860-6.
- **Webb, T. E., S. Pal, D. Siddique, D. C. Heaney, J. M. Linehan, J. D. Wadsworth, S. Joiner, J. Beck, S. J. Wroe, V. Stevenson, S. Brandner, S. Mead, and J. Collinge.** 2008. First Report of Creutzfeldt-Jakob Disease Occurring in 2 Siblings Unexplained by PRNP Mutation. *J Neuropathol Exp Neurol* **67**:838-841.

- **Webb, T. E., M. Poulter, J. Beck, J. Uphill, G. Adamson, T. Campbell, J. Linehan, C. Powell, S. Brandner, S. Pal, D. Siddique, J. D. Wadsworth, S. Joiner, K. Alner, C. Petersen, S. Hampson, C. Rhymes, C. Treacy, E. Storey, M. D. Geschwind, A. H. Nemeth, S. Wroe, J. Collinge, and S. Mead.** 2008. Phenotypic heterogeneity and genetic modification of P102L inherited prion disease in an international series. *Brain*.
- **Webb, T. E., J. Whittaker, J. Collinge, and S. Mead.** 2008. Age of onset and death in inherited prion disease are heritable. *Am J Med Genet B Neuropsychiatr Genet*.
- **Weber, P., L. Reznicek, G. Mitteregger, H. Kretzschmar, and A. Giese.** 2008. Differential effects of prion particle size on infectivity in vivo and in vitro. *Biochem Biophys Res Commun* **369**:924-8.
- **Wegmann, S., M. Miesbauer, K. F. Winklhofer, J. Tatzelt, and D. J. Muller.** 2008. Observing fibrillar assemblies on scrapie-infected cells. *Pflugers Arch* **456**:83-93.
- **Weise, J., T. R. Doeppner, T. Muller, A. Wrede, W. Schulz-Schaeffer, I. Zerr, O. W. Witte, and M. Bahr.** 2008. Overexpression of cellular prion protein alters postischemic Erk1/2 phosphorylation but not Akt phosphorylation and protects against focal cerebral ischemia. *Restor Neurol Neurosci* **26**:57-64.
- **White, M. D., M. Farmer, I. Mirabile, S. Brandner, J. Collinge, and G. R. Mallucci.** 2008. Single treatment with RNAi against prion protein rescues early neuronal dysfunction and prolongs survival in mice with prion disease. *Proc Natl Acad Sci U S A* **105**:10238-43.
- **White, S., L. Herrmann-Hoesing, K. O'Rourke, D. Waldron, J. Rowe, and J. Alverson.** 2008. Prion gene (PRNP) haplotype variation in United States goat breeds (Open Access publication). *Genet Sel Evol* **40**:553-61.
- **Will, R., and M. Head.** 2008. A new prionopathy. *Ann Neurol* **63**:677-8.
- **Winklhofer, K. F., J. Tatzelt, and C. Haass.** 2008. The two faces of protein misfolding: gain- and loss-of-function in neurodegenerative diseases. *Embo J* **27**:336-49.
- **Wrathall, A. E., G. R. Holyoak, I. M. Parsonson, and H. A. Simmons.** 2008. Risks of transmitting ruminant spongiform encephalopathies (prion diseases) by semen and embryo transfer techniques. *Theriogenology* **70**:725-45.
- **Xu, J., X. Zhou, H. Ge, H. Xu, J. He, Z. Hao, and X. Jiang.** 2008. Endothelial cells anchoring by functionalized yeast polypeptide. *J Biomed Mater Res A*.
- **Xu, X., C. C. Chua, J. Gao, K. W. Chua, H. Wang, R. C. Hamdy, and B. H. Chua.** 2008. Neuroprotective effect of humanin on cerebral ischemia/reperfusion injury is mediated by a PI3K/Akt pathway. *Brain Res* **1227C**:12-18.
- **Xue, G., A. Sakudo, C. K. Kim, and T. Onodera.** 2008. Coordinate regulation of

bovine prion protein gene promoter activity by two Sp1 binding site polymorphisms. *Biochem Biophys Res Commun* **372**:530-5.

- **Yamazaki, T., N. Blinov, D. Wishart, and A. Kovalenko.** 2008. Hydration Effects on the HET-s Prion and Amyloid- β Fibrillous Aggregates, Studied with 3D Molecular Theory of Solvation. *Biophys J*.
- **Yunoki, M., H. Tanaka, T. Urayama, S. Hattori, M. Ohtani, Y. Ohkubo, Y. Kawabata, Y. Miyatake, A. Nanjo, E. Iwao, M. Morita, E. Wilson, C. MacLean, and K. Ikuta.** 2008. Prion removal by nanofiltration under different experimental conditions. *Biologicals* **36**:27-36.
- **Zhou, X. M., G. X. Xu, and D. M. Zhao.** 2008. In vitro effect of prion peptide PrP 106-126 on mouse macrophages: Possible role of macrophages in transport and proliferation for prion protein. *Microb Pathog* **44**:129-34.
- **Zhu, F., P. Davies, A. R. Thompsett, S. M. Kelly, G. E. Tranter, L. Hecht, N. W. Isaacs, D. R. Brown, and L. D. Barron.** 2008. Raman optical activity and circular dichroism reveal dramatic differences in the influence of divalent copper and manganese ions on prion protein folding. *Biochemistry* **47**:2510-7.
- **Zivny, J. H., M. P. Gelderman, F. Xu, J. Piper, K. Holada, J. Simak, and J. G. Vostal.** 2008. Reduced erythroid cell and erythropoietin production in response to acute anemia in prion protein-deficient (Prnp $^{-/-}$) mice. *Blood Cells Mol Dis* **40**:302-7.
- **Zomosa-Signoret, V., J. D. Arnaud, P. Fontes, M. T. Alvarez-Martinez, and J. P. Liautard.** 2008. Physiological role of the cellular prion protein. *Vet Res* **39**:9.
- **Zuber, C., S. Knackmuss, C. Rey, U. Reusch, P. Rottgen, T. Frohlich, G. J. Arnold, C. Pace, G. Mitteregger, H. A. Kretzschmar, M. Little, and S. Weiss.** 2008. Single chain Fv antibodies directed against the 37 kDa/67 kDa laminin receptor as therapeutic tools in prion diseases. *Mol Immunol* **45**:144-51.
- **Zuber, C., S. Knackmuss, G. Zemora, U. Reusch, E. Vlasova, D. Diehl, V. Mick, K. Hoffmann, D. Nikles, T. Frohlich, G. J. Arnold, B. Brenig, E. Wolf, H. Lahm, M. Little, and S. Weiss.** 2008. Invasion of tumorigenic HT1080 cells is impeded by blocking or downregulating the 37-kDa/67-kDa laminin receptor. *J Mol Biol* **378**:530-9.
- **Zuber, C., G. Mitteregger, N. Schuhmann, C. Rey, S. Knackmuss, W. Rupprecht, U. Reusch, C. Pace, M. Little, H. A. Kretzschmar, M. Hallek, H. Buning, and S. Weiss.** 2008. Delivery of single-chain antibodies (scFvs) directed against the 37/67 kDa laminin receptor into mice via recombinant adeno-associated viral vectors for prion disease gene therapy. *J Gen Virol* **89**:2055-61.
- **Zukas, A. A., C. E. Bruederle, and J. M. Carter.** 2008. Sonication induced intermediate in prion protein conversion. *Protein Pept Lett* **15**:206-11.

