

## 8 Literaturverzeichnis

- Andreolotti O, Berthon P, Levavasseur E, Marc D, Lantier F, Monks E, Elsen JM, Schelcher F (2002) Phenotyping of protein-prion (PrP<sup>Sc</sup>)-accumulating cells in lymphoid and neural tissues of naturally scrapie-affected sheep by double-labeling immunohistochemistry. *J Histochem Cytochem* **50**: 1357-70
- Baek BS, Kim JW, Lee JH, Kwon HJ, Kim ND, Kang HS, Yoo MA, Yu BP, Chung HY (2001) Age-related increase of brain cyclooxygenase activity and dietary modulation of oxidative status. *J Gerontol A Biol Sci Med Sci* **56**: 426-31
- Baker CA, Martin D, Manuelidis L (2002) Microglia from Creutzfeldt-Jakob disease-infected brains are infectious and show specific mRNA activation profiles. *J Virol* **76**: 10905-13
- Becker T, Hartl FU, Wieland F (2002) CD40, an extracellular receptor for binding and uptake of Hsp70-peptide complexes. *J Cell Biol* **158**: 1277-85
- Betmouni S, Perry VH, Gordon JL (1996) Evidence for an early inflammatory response in the central nervous system of mice with scrapie. *Neuroscience* **74**: 1-5
- Brodeur SR, Angelini F, Bacharier LB, Blom AM, Mizoguchi E, Fujiwara H, Plebani A, Notarangelo LD, Dahlback B, Tsisikow E, Geha RS (2003) C4b-binding protein (C4BP) activates B cells through the CD40 receptor. *Immunity* **18**: 837-48
- Brown DR (1999) Prion protein peptide neurotoxicity can be mediated by astrocytes. *J Neurochem* **73**: 1105-13
- Brown DR, Nicholas RSJ, Canevari L (2002) Lack of prion results in a neuronal phenotype sensitive to stress. *J Neuroscience* **67**: 211-23
- Brown DR, Schmidt B, Kretzschmar HA (1996) Role of microglia and host prion protein in neurotoxicity of a prion protein fragment. *Nature* **380**: 345-7
- Brown DR, Wong BS, Hafiz F, Clive C, Haswell SJ, Jones IM (1999) Normal prion protein has an activity like that of superoxide dismutase. *Biochem J* **344**: 1-5
- Brown DR, Besinger A, Herms JW, Kretzschmar HA (1998) Microglial expression of the prion protein. *Neuroreport* **9**: 1425-9
- Brown P, Bradley R (1998) 1755 and all that: a historical primer of transmissible spongiform encephalopathy. *BMJ* **317**: 1688-92

- Büeler H, Fischer M, Lang Y, (1992) Normal behaviour of mice lacking the neuronal cell surface PrP proteine. *Nature* **356**: 577-82
- Calingasan NY, Erdely HA, Anthony Altar C (2002) Identification of CD40Ligand in Alzheimer's disease and brain injury. *Neurobiol Aging* **23**: 31-9
- Casalone C, Zanusso G, Acutis P, Ferrari A, Capucci L, Tagliavini F, Monaco S, Caramelli M (2004) Identification of a second bovine spongiform encephalopathy: molecular similarities with sporadic Creutzfeldt-Jakob disease. *Proc Natl Acad Sci U S A* **101**: 3065-70
- Castelli JC, Hassel BA, Wood KA, Li XL, Amemiya K, Dalakas MC, Torrence PF, Youle RJ (1997) A study of the interferon antiviral mechanism: apoptosis activation by the 2-5A system. *J Exp Med* **186**: 967-72
- Cavanaugh JE, Ham J, Hetman M, Poser S, Yan C, Xia Z (2001) Differential regulation of mitogen-activated protein kinases ERK1/2 and ERK5 by neurotrophins, neuronal activity, and cAMP in neurons. *J Neurosci* **21**: 434-43
- Chesebro B (1998) BSE and prions: uncertainties about the agent. *Science* **279**: 42-3
- Chiesa R, Harris DA (2001) Prion diseases: what is the neurotoxic molecule?. *Neurobiol Dis* **8**: 743-63
- Combs CK, Johnson DE, Cannady SB, Lehmann TM, Landreth GE (1999) Identification of microglial signal transduction pathways mediating a neurotoxic response to amyloidogenic fragments of beta-amyloid and prion proteins. *J Neurosci* **19**: 928-39
- Creutzfeldt HG (1920) Über eine eigenartige herdförmige Erkrankung des Zentralnervensystems. *Z Ges Neurol Psychiatry* **57**: 1-18
- Cron RQ (2003) CD154 transcriptional regulation in primary human CD4 T cells. *Immunol Res* **27**: 1-18
- Cuillé J, Chelle P-L (1936) La maladie dite tremblante du mouton est-elle inoculable?. *C R Acad Sci* **203**: 1552-4
- Eikelenboom P, Bate C, van Gool WA, Hoozemans JJM, Rozemuller, JM, Veerhuis R, Williams A (2002) Neuroinflammation in Alzheimer's disease and prion disease. *Glia* **40**: 232-9

El Khoury JB, Moore KJ, Means TK, Leung J, Terada K, Toft M, Freeman MW, Luster AD (2003) CD36 mediates the innate host response to beta-amyloid. *J Exp Med* **197**: 1657-66

Fassbender K, Walter S, Landmann R, Ishii K, Bertsch T, Stalder AK, Muehlhauser F, Liu Y, Ulmer AJ, Rivest S, Lentschat A, Gulbins E, Jucker M, Staufenbiel M, Brechtel K, Walter J, Multhaup G, Penke B, Adachi Y, Hartmann T, Beyreuther K (2004) The LPS receptor (CD14) links innate immunity with Alzheimer's disease. *FASEB J* **18**: 203-5

Forloni G, Angeretti N, Chiesa R, Monzani E, Salmona M, Bugiani O, Tagliavini F (1993): Neurotoxicity of a prion protein fragment. *Nature* **362**: 543-6

Fradkin JE, Schonberger LB, Mills JL, Gunn WJ, Piper JM, Wysowski DK, Thomson R, Durako S, Brown P (1991) Creutzfeldt-Jakob disease in pituitary growth hormone recipients in the United States. *JAMA* **265**: 880-4

Fraser E, McDonagh AM, Head M, Bishop M, Ironside JW, Mann DM (2003) Neuronal and astrocytic responses involving the serotonergic system in human spongiform encephalopathies. *Neuropathol Appl Neurobiol* **29**: 482-95

Fraser H, Brown KL, Stewart K, McConell I, McBride P, Williams A (1996) Replication of scrapie in spleens of SCID mice follows reconstitution with wild-type mouse bone marrow. *J Gen Virol* **77**: 1935-40

Gajdusek DC (1977) Unconventional viruses and the origin and disappearance of kuru. *Science* **197**: 943-60

Gerritse K, Lamann JD, Noelle RJ, Aruffo A, Ledbetter JA, Boersma WJ, Classen E (1996) CD40-CD40 ligand interactions in experimental allergic encephalomyelitis and multiple sclerosis. *Proc Natl Acad Sci USA* **93**: 2499-504

Gerstmann J, Sträussler E, Scheinker I (1936) Über eine eigenartige hereditär-familiäre Erkrankung des Zentralnervensystems. Zugleich ein Beitrag zur Frage des vorzeitigen lokalen Alterns. *Z Neurol* **154**: 736-62

Giese A, Brown DR, Groschup MH, Feldmann C, Haist I, Kretzschmar HA (1998) Role of microglia in neuronal cell death in prion disease. *Brain Pathol* **8**: 449-57

Giese A, Groschup MH, Hess B, Kretzschmar HA (1995) Neuronal cell death in scrapie infected mice is due to apoptosis. *Brain Pathol* **5**: 213-21

Graf D, Muller S, Korthauer U, van Kooten C, Weise C, Kroczek RA (1995) A soluble form of TRAP (CD40 ligand) is rapidly released after T cell activation. *Eur J Immunol* **25**: 1749-54

Grewal IS, Foellmer HG, Grewal KD, Xu J, Hardardottir F, Baron JL, Janeway CA Jr, Flavell RA (1996) Requirement for CD40 ligand in costimulation induction, T cell activation, and experimental allergic encephalomyelitis. *Science* **273**: 1864-7

Guentchev M, Groschup MH, Kordek R, Liberski PP, Budka H (1998) Severe, early and selective loss of a subpopulation of GABAergic inhibitory neurons in experimental transmissible spongiform encephalopathies. *Brain Pathol* **8**: 615-23

Guentchev M, Voigtlaender T, Haberler C, Groschup MH, Budka H (2000) Evidence for oxidative stress in experimental prion disease. *Neurobiol Diss* **7**: 270-3

Harris DA, Huber MT, van Dijken P, Shyng SI, Chait BT, Wang R (1993) Processing of a cellular prion protein: identification of N- and C-terminal cleavage sites. *Biochemistry* **32**: 1009-16

Henn V, Steinbach S, Buchner K, Presek P, Kroczek RA (2001) The inflammatory action of CD40 ligand (CD154) expressed on activated human platelets is temporally limited by coexpressed CD40. *Blood* **98**: 1047-54

Hill AF, Debruslais M, Joiner S, Sidle KC, Gowland I, Collinge J, Doey LJ, Lantos P (1997) The same prion strain causes vCJD and BSE. *Nature* **389**: 448-50

Hoinville LJ (1996) A review of the epidemiology of scrapie in sheep. *Rev Sci Techn OIE* **15**: 827-52

Hope J (2000) Prions and neurodegenerative diseases. *Curr Opin Genet Dev* **10**: 568-74

Husemann J, Loike JD, Amankov R, Febbraio M, Silverstein SC (2002) Scavenger receptors in neurobiology and neuropathology: their role on microglia and other cells of the nervous system. *Glia* **40**: 195-205

Ironside JW (2002) Neuropathology of variant Creutzfeld-Jakob disease. *C R Biol* **325**: 27-31

Jakob A (1921) Über eigenartige Erkrankungen des Zentralnervensystems mit bemerkenswerten anatomischen Befunden (Spastische Pseudosklerose-

Encephalomyopathie mit disseminierten Degenerationsherden). *Z Ges Neurol Psychiatry* **64**: 147-228

Jarret JT, Lansbury PT Jr (1993) Seeding "one dimensional crystallization" of amyloid: a pathogenic mechanism in Alzheimer's disease and scrapie? *Cell* **73**: 1055-8

Jonakait G, Choi K, Jing H, Ni L (2002) CD95 and CD40 ligand regulate glial production of NGF and BDNF. *Program No. 101.5. 2002 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience*

Kaneko K, Zulianello L, Scott M, Cooper CM, Wallace AC, James TL, Cohen FE, Prusiner SB (1997) Evidence for protein X binding to a discontinuous epitope on the cellular prion protein during scrapie prion propagation. *Proc Natl Acad Sci U S A* **94**: 10069-74

Kenward N, Hope J, Landon M, Mayer R (1994) Expression of polyubiquitin an heat-shock protein-70 genes increases in the later stages of disease progression in scrapie-infected mouse-brain. *J Neurochem* **62**: 1870-7

Kim JI, Ju, WK, Choi JH, Choi E, Carp RI, Wisniewski HM, Kim YS (1999) Expression of cytokine genes and increased nuclear factor Kappa B activity in the brains of scrapie-infected mice. *Brain Res Mol Brain Res* **73**: 17-27

King CY, Diaz-Avalos R (2004) Protein-only transmission of three yeast prion strains. *Nature* **407**: 319-23

Kirkwood JK, Cunningham AA (1994) Epidemiological observations on spongiform encephalopathies in captive wild animals in the British Isles. *Vet Rec* **135**: 296-303

Kitamoto T, Muramoto T, Mohri S, Doh-Ura K, Tateishi J (1991) Abnormal isoform of prion protein accumulates in follicular dendritic cells in mice with Creutzfeldt-Jakob disease. *J Virol* **65**: 6292-5

Klein MA, Frigg R, Raeber AJ, Flechsig E, Hegyi I, Zinkernagel RM, Weissmann C, Aguzzi A (1998) PrP expression in B lymphocytes is not required for prion neuroinvasion. *Nat Med* **4**: 1429-33

Klein MA, Kaeser PS, Schwarz P, Weyd H, Xenarios I, Zinkernagel RM, Carroll MC, Verbeek JS, Botto M, Walport MJ, Molina H, Kalinke U, Acha-Orbea H, Aguzzi A (2001) Complement facilitates early prion pathogenesis. *Nat Med* **7**: 488-92

Kopacek J, Sakaguchi S, Shigematsu K, Nishida N, Atarashi R, Nakaoke R, Moriuchi R, Niwa M, Katamine S (2000) Upregulation of the genes encoding lysosomal hydrolases, a perforin-like protein, and peroxidases in the brains of mice affected with an experimental prion disease. *J Virol* **74**: 411-7

Kovács GG, Head MW, Hegyi I, Bunn TI, Flicker H, Hainfellner JA, McCardle L, Lászlo L, Jarius C, Ironside JW, Budka H (2002) Immunhistochemistry for the prion protein: comparison of different monoclonal antibodies in human prion disease subtypes. *Brain Pathol* **12**: 1-11

Kretzschmar HA, Tings T, Madlung A, Giese A, Herms J (2000) Function of PrP(C) as a copper-binding protein in the synapse. *Arch Virol Suppl* **16**: 239-49

Laszmézas CI, Deslys JP, Demaimay R, Adjou KT, Lamoury F, Dormont D (1996) BSE transmission to macaques. *Nature* **381**: 743-4

Le Y, Gong W, Tiffany HL, Tumanov A, Nedospasov S, Shen W, Dunlop NM, Gao JL, Murphy PM, Oppenheim JJ, Wang JM (2001a) Amyloid (beta)42 activates a G-protein-coupled chemoattractant receptor, FPR-like1. *J Neuroscience* **21**: 1-5

Le Y, Yazawa H, Gong W, Yu Z, Ferrans VJ, Murphy PM, Wang JM (2001b) The neurotoxic prion peptide fragment PrP(106-126) is a chemotactic agonist for the G protein coupled receptor formyl peptide receptor like-1. *J Immunol* **166**: 1448-51

Lee C-K, Weindruch R, Prolla T (2000) Gene-expression profile of the ageing brain in mice. *Nat Med* **25**: 294-7

Legname G, Baskakov IV, Nguyen HO, Riesner D, Cohen FE, DeArmond SJ, Prusiner SB (2004) Synthetic mammalian prions. *Science* **305**: 673-6

Lewicki H, Tishon A, Homann D, Mazarguil H, Laval F, Asensio VC, Campbell IL, DeArmond S, Coon B, Teng C, Gairin JE, Oldstone MB (2003) T cells infiltrate the brain in murine and human transmissible spongiform encephalopathies. *J Virol* **77**: 3799-808

Liberski PP, Yanagihara R, Wells GA, Gibbs Jr CJ, Gajdusek DC (1992) Comparative ultrastructural neuropathology of naturally occurring bovine spongiform encephalopathy and experimentally induced scrapie and Creutzfeldt-Jakob disease. *J Comp Pathol* **106**: 361-81

- Mabbot NA, Mackay F, Minns F, Bruce ME (2000) Temporary inactivation of follicular dendritic cells delays neuroinvasion of scrapie. *Nat Med* **6**: 719-20
- Mallucci G, Dickinson A, Linehan J, Klöhn P-C, Brandner S, Collinge J (2003) Depleting neuronal PrP in prion infection prevents disease and reverses spongiosis. *Science* **302**: 871-4
- Manetto V, Medori R, Cortelli P, Montagna P, Tinuper P, Baruzzi A, Rancurel G, Hauw JJ, Vanderhaeghen JJ, Mailleux P, et al. (1992) Fatal familial insomnia: clinical and pathologic study of five new cases. *Neurology* **42**: 312-9
- Marella M, Chabry J (2004) Neurons and astrocytes respond to prion infection by inducing microglia recruitment. *J Neuroscience* **24**: 620-7
- Marsh RF, Bessen RA, Lehmann S, Hartsough GR (1991) Epidemiological and experimental studies on a new incident of transmissible mink encephalopathy. *J Gen Virol* **72**: 589-94
- Massimino ML, Griffoni C, Spisni E, Toni M, Tomasi V (2002) Involvement of caveolae and caveolae-like domains in signalling, cell survival and angiogenesis. *Cell Signal* **14**: 93-8
- Mattson MP (2000) Apoptosis in neurodegenerative disorders. *Nat Rev Mol Cell Biol* **1**: 120-9
- McBride PA, Schultz-Schaeffer WJ, Donaldson M, Bruce M, Diringer H, Kretzschmar HA, Beekes M (2001) Early spread of scrapie from the intestinal tract to the central nervous system involves autonomic fibers of the splanchnic and vagus nerves. *J Virol* **75**: 9320-7
- Milhavet O, Lehmann S (2002) Oxidative stress and the prion protein in transmissible spongiform encephalopathies. *Brain Res Rev* **38**: 328-39
- Montrasio F, Frigg R, Glatzel M, Klein MA, Mackay F, Aguzzi A, Weissmann C (2000) Impaired prion replication in spleens of mice lacking functional dendritic cells. *Science* **288**: 1257-9
- Nakajima K, Kohsaka S (2004) Microglia: Neuroprotective and neurotrophic cells in the central nervous system. *Curr Drug Targets* **4**: 65-84
- Narang H (2002) A critical review of the nature of the spongiform encephalopathy agent:

protein versus virus theory. *Exp Biol Med* **227**: 4-19

Pan KM, Baldwin M, Nguyen J, Gasser M, Serban A, Groth D, Mehlhorn I, Huang Z, Fletterick RJ, Cohen FE, Prusiner SB (1993) Conversion of alpha-helices into beta-sheets features in the formation of the scrapie prion proteins. *Proc Natl Acad Sci U S A* **90**: 10962-6

Parchi, P, Capellari S, Chin S, Schwarz HB, Schecter NP, Butts JD, Hudkins P, Burns DK, Powers JM, Gambetti P (1999) A subtype of sporadic prion disease mimicking fatal familial insomnia. *Neurology* **52**: 1757-63

Paxinos G, Watson KBJ (2002) *The mouse brain in stereotactic coordinates*. Second edition

Peyrin JM, Lasmezas CI, Haik S, Tagliavini F, Salmona A, Williams A, Richie D, Deslys JP, Dormont D (1999) Microglial cells respond to amyloidogenic PrP peptide by the production of inflammatory cytokines. *Neuroreport* **10**: 723-9

Prusiner SB (1982) Novel proteinaceous infectious particles cause scrapie. *Science* **216**: 136-44

Raeber AJ, Borchelt DR, Scott M, Prusiner SB (1992) Attempts to convert the cellular prion protein into the scrapie isoform in cell-free systems. *J Virol* **66**: 6155-63

Raeber AJ, Race RE, Brandner S, Priola SA, Sailer A, Bessen RA, Mucke L, Manson J, Aguzzi A, Oldstone MB, Weissmann C, Chesebro B (1997) Astrocyte-specific expression of hamster prion protein (PrP) renders PrP knockout mice susceptible to hamster scrapie. *EMBO J* **16**: 6057-65

Renshaw BR, Fanslow III WC, Armitage RJ, Campbell KA, Ligitt D, Wright B, Davison BL, Maliszewski CR, Renshaw BR, Fanslow III WC, Armitage RJ, Campbell KA, Ligitt D, Wright B, Davison BL, Maliszewski CR (1994) Humoral Immune Responses in CD40 ligand-deficient mice. *J Exp Med* **180**: 1889-1900

Rezaie P, Lantos PL (2001) Microglia and the pathogenesis of spongiform encephalopathies. *Brain Res Brain Res Rev* **35**: 55-72

Riemer C, Neidhold S, Burwinkel M, Schwarz A, Schultz J, Kratzschmar J, Monning U, Baier M (2004) Gene expression profiling of scrapie-infected brain tissue. *Biochem Biophys Res Commun* **323**: 556-64

Riemer C, Queck I, Simon D, Kurth R, Baier M (2000) Identification of upregulated genes in scrapie-infected brain tissue. *J Virol* **74**: 10245-8

Riesner D (2003) Biochemistry and structure of PrP(C) and PrP(Sc). *Br Med Bull* **66**: 21-33

Ryder SJ, Wells GA, Bradshaw JM, Pearson GR (2001) Inconsistent detection of PrP in extraneural tissue of cats with feline spongiform encephalopathy. *Vet Rec* **148**: 437-41

Sakar SN, Sen GC (2004) Novel functions of proteins encoded by viral stress-inducible genes. *Pharmacology & Therapeutics* **103**: 245-59

Schönbeck U, Mach F, Libby P (2000) CD154 (CD40L). *Int J Biochem Cell Biol* **32**: 687-93

Schultz-Schaeffer WJ, Tschoke S, Kranefuss N, Drose W, Hause-Reitner D, Giese A, Groschup MH, Kretzschmar HA (2000) The paraffin-embedded tissue blot detects PrP(Sc) early in the incubation time in prion diseases. *Am J Pathol* **156**: 51-6

Shibata A, Zelivyskaya M, Limoges J, Carlson KA, Gorantla S, Branecki C, Bishu S, Xiong H, Gendelman HE (2003) Peripheral nerve induces macrophage neurotrophic activities: regulation of neuronal process outgrowth, intracellular signaling and synaptic function. *J Neuroimmunology* **142**: 112-9

Sparrer HE, Santoso A, Szoka FC Jr, Weissmann JS (2000) Evidence for the prion hypothesis: induction of the yeast [PSI<sup>+</sup>] factor by in vitro-converted Sup35 protein. *Science* **289**: 595-99

Stahl N, Borchelt DR, Hsiao K, Prusiner SB (1987) Scrapie prion protein contains a phosphatidylinositol glycolipid. *Cell* **51**: 229-240

Tan J, Town T, Mori T, Obregon D, Wu Y, DelleDonne A, Rojiani A, Crawford F, Flavell RA, Mullan M (2002a) CD40 is expressed and functional on neuronal cells. *EMBO J* **21**: 643-52

Tan J, Town T, Crawford F, Mori T, DelleDonne A, Crescentini R, Obregon D, Flavell RA, Mullan MJ (2002b) Role of CD40 ligand in amyloidosis in transgenic Alzheimer's mice. *Nat Neurosci* **5**: 1288-93

Tan J, Town T, Paris D, Mori T, Suo Z, Crawford F, Mattson MP, Flavell RA, Mullan M (1999) Microglial activation resulting from CD40-CD40L interaction after beta-amyloid stimulation *Science* **286**: 2352-5

Tobler I, Gaus SE, Deboer T, Achermann P, Fischer M, Rulicke T, Moser M, Oesch B, McBride PA, Manson JC (1996) Altered circadian activity rhythms and sleep in mice devoid of prion protein. *Nature* **380**: 639-42

van Kooten C (2000) CD40-CD40 ligand. *J Leukoc Biol* **67**: 2-17

Venezie RD, Toews AD, Morell P (1995) Macrophage recruitment in different models of nerve injury: lysozyme as a marker for active phagocytosis. *J Neurosci Res* **40**: 99-107

Vey M, Pilkuhn S, Wille H, Nixon R, Dearmond SJ, Smart EJ, Anderson RGW, Taraboulos A, Prusiner SB (1996) Subcellular colocalization of the cellular and scrapie prion proteins in caveolae-like membranous domains. *Proc. Natl. Acad. Sci. USA* **93**: 14945-9

Wells GA, McGill IS (1992) Recently described scrapie-like encephalopathies of animals: case definition. *Res Vet Sci* **53**: 1-10

Wells GA (1993) Pathology of nonhuman spongiform encephalopathies: variations and their implications for pathogenesis. *Dev Biol Stand* **80**: 61-9

Wells GA, Scott AC, Johnson CT, Gunning RF, Hancock RD, Jeffrey M, Dawson M, Bradley R (1987) A novel progressive spongiform encephalopathy in cattle. *Vet Rec* **121**: 419-20

Will RG (1993) Epidemiology of Creutzfeldt-Jacob disease. *Br Med Bull* **49**: 960-70

Will RG, Ironside JW, Zeidler M, Cousens SN, Estibeiro K, Alperovitch A, Poser S, Pocchiari M, Hofman A, Smith PG (1996) A new variant of Creutzfeldt-Jakob disease in the UK. *Lancet* **347**: 921-5

Williams AE, van Dam A-M, Eikelenboom P, Fraser H (1997) Immunocytochemical appearance of cytokines, prostaglandin E2 and lipocortin-1 in the CNS during the incubation period of murine scrapie correlates with progressive PrP accumulations. *Brain Res* **754**: 171-80

Williams ES, Miller MW (2002) Chronic wasting disease in deer and elk in North

America. *Rev Sci Tech* **21**: 305-16

Wyss-Coray T, Lin C, Yan F, Yu GQ, Rohde M, McConlogue L, Masliah E, Mucke L (2001) TGF-beta1 promotes microglial amyloid-beta clearance and reduces plaque burden in transgenic mice. *Nat Med* **7**: 612-8

Yan SD, Chen X, Fu J, Chen M, Zhu H, Roher A, Slattery T, Zhao L, Nagashima M, Morser J, Migheli A, Nawroth P, Stern D, Schmidt AM (1996) RAGE and amyloid-beta peptide neurotoxicity in Alzheimer's disease. *Nature* **382**: 685-91

Zhou A, Paranjape J, Brown TL, Nie H, Naik S, Dong B, CHang A, Trapp B, Fairchild R, Colmenares C, Silverman RH (1997) Interferon action and apoptosis are defective in mice devoid of 2', 5'-oligoadenylate-dependent RNase L. *EMBO J* **16**: 6355-63