

VIII. Literaturverzeichnis

- Abdulkarim Y, Hameed Z.** Is the LDL receptor involved in cortical amyloid protein clearance? Neurochem Res. 2006 Jun;31(6):839-47.
- Abo M, Yamauchi H, Suzuki M, Sakuma M, Urashima M.** Facilitated beam-walking recovery during acute phase by kynurenic acid treatment in a rat model of photochemically induced thrombosis causing focal cerebral ischemia. Neurosignals. 2006-2007;15(2):102-10.
- Barnham KJ, Masters CL, Bush AI.** Neurodegenerative diseases and oxidative stress. Nat Rev Drug Discov. 2004 Mar;3(3):205-14.
- Bates S, Read SJ, Harrison DC, Topp S, Morrow R, Gale D, Murdock P, Barone FC, Parsons AA, Gloger IS.** Characterisation of gene expression changes following permanent MCAO in the rat using subtractive hybridisation. Brain Res Mol Brain Res. 2001 Sep 10;93(1):70-80.
- Beher D, Graham SL.** Protease inhibitors as potential disease-modifying therapeutics for Alzheimer's disease. Expert Opin Investig Drugs. 2005 Nov;14(11):1385-409.
- Block ML, Hong JS.** Microglia and inflammation-mediated neurodegeneration: multiple triggers with a common mechanism. Prog Neurobiol. 2005 Jun;76(2):77-98.
- Bozzo C, Lombardi G, Santoro C, Canonico PL.** Involvement of beta(1) integrin in betaAP-induced apoptosis in human neuroblastoma cells. Mol Cell Neurosci. 2004 Jan;25(1):1-8.
- Buee L, Bussiere T, Buee-Scherrer V, Delacourte A, Hof PR.** Tau protein isoforms, phosphorylation and role in neurodegenerative disorders. Brain Res Brain Res Rev. 2000 Aug;33(1):95-130.
- Cacquevel M, Lebeurrier N, Cheenne S, Vivien D.** Cytokines in neuroinflammation and Alzheimer's disease. Curr Drug Targets. 2004 Aug;5(6):529-34.
- Cartier L, Hartley O, Dubois-Dauphin M, Krause KH.** Chemokine receptors in the central nervous system: role in brain inflammation and neurodegenerative diseases. Brain Res Brain Res Rev. 2005 Feb;48(1):16-42.
- Cowell RM, Xu H, Galasso JM, Silverstein FS.** Hypoxic-ischemic injury induces macrophage inflammatory protein-1alpha expression in immature rat brain. Stroke. 2002 Mar;33(3):795-801.
- Czech C, Tremp G, Pradier L.** Presenilins and Alzheimer's disease: biological functions and pathogenic mechanisms. Prog Neurobiol. 2000 Mar;60(4):363-84.
- Darsalia V, Heldmann U, Lindvall O, Kokaia Z.** Stroke-induced neurogenesis in aged brain. Stroke. 2005 Aug;36(8):1790-5.
- Deane R, Du Yan S, Submamaryan RK, LaRue B, Jovanovic S, Hogg E, Welch D, Manness L, Lin C, Yu J, Zhu H, Ghiso J, Frangione B, Stern A, Schmidt AM, Armstrong DL, Arnold B, Liliensiek B, Nawroth P, Hofman F, Kindy M, Stern D, Zlokovic B.** RAGE mediates amyloid-beta peptide transport across the blood-brain barrier and accumulation in brain. Nat Med. 2003 Jul;9(7):907-13.
- Deane R, Wu Z, Sagare A, Davis J, Du Yan S, Hamm K, Xu F, Parisi M, LaRue B, Hu HW, Spijkers P, Guo H, Song X, Lenting PJ, Van Nostrand WE, Zlokovic BV.** LRP/amyloid beta-peptide interaction mediates differential brain efflux of Abeta isoforms. Neuron. 2004 Aug

5;43(3):333-44.

Debeuckelaere S, Schoors DF, Van Avermaet S, Roosens B, Devis G. Pancreatic calcifications in a patient with systemic mastocytosis. *J Clin Gastroenterol.* 1992 Jul;15(1):83-5.

Eikelenboom P, Bate C, Van Gool WA, Hoozemans JJ, Rozemuller JM, Veerhuis R, Williams A. Neuroinflammation in Alzheimer's disease and prion disease. *Glia.* 2002 Nov;40(2):232-9

Ferri CP, Prince M, Brayne C, Brodaty H, Fratiglioni L, Ganguli M, Hall K, Hasegawa K, Hendrie H, Huang Y, Jorm A, Mathers C, Menezes PR, Rimmer E, Scazufca M; Alzheimer's Disease International. Global prevalence of dementia: a Delphi consensus study. *Lancet.* 2005 Dec 17;366(9503):2112-7.

Frautschy SA, Cole GM, Baird A. Phagocytosis and deposition of vascular beta-amyloid in rat brains injected with Alzheimer beta-amyloid. *Am J Pathol.* 1992 Jun;140(6):1389-99.

Giordani B, Boivin MJ, Hall AL, Foster NL, Lehtinen SJ, Bluemlein LA, Berent S. The utility and generality of Mini-Mental State Examination scores in Alzheimer's disease. *Neurology.* 1990 Dec;40(12):1894-6.

Hardy J, Allsop D. Amyloid deposition as the central event in the aetiology of Alzheimer's disease. *Trends Pharmacol Sci.* 1991 Oct;12(10):383-8.

Harman D. Alzheimer's disease pathogenesis: role of aging. *Ann N Y Acad Sci.* 2006 May;1067:454-60.

Hoozemans JJ, Veerhuis R, Rozemuller JM, Eikelenboom P. Neuroinflammation and regeneration in the early stages of Alzheimer's disease pathology. *Int J Dev Neurosci.* 2006 Apr-May;24(2-3):157-65. Epub 2005 Dec 27.

Hoozemans JJ, Veerhuis R, Rozemuller JM, Eikelenboom P. Neuroinflammation and regeneration in the early stages of Alzheimer's disease pathology. *Int J Dev Neurosci.* 2006 Apr-May;24(2-3):157-65. Epub 2005 Dec 27.

Hsiao KK, Borchelt DR, Olson K, Johannsdottir R, Kitt C, Yunis W, Xu S, Eckman C, Younkin S, Price D, et al. Age-related CNS disorder and early death in transgenic FVB/N mice overexpressing Alzheimer amyloid precursor proteins. *Neuron.* 1995 Nov;15(5):1203-18.

<http://www.csuchico.edu/~pmccaff/syllabi/CMSD%20320/362unit11.html>

Iqbal K, Alonso Adel C, Chen S, Chohan MO, El-Akkad E, Gong CX, Khatoon S, Li B, Liu F, Rahman A, Tanimukai H, Grundke-Iqbali I. Tau pathology in Alzheimer disease and other tauopathies. *Biochim Biophys Acta.* 2005 Jan 3;1739(2-3):198-210.

Jen H CH, Cox MA, Hipkin W, Lu T, Pugliese-Sivo C, Gonsiorek W, Chou CC, Narula SK, Zavodny PJ. Human B cell-attracting chemokine 1 (BCA-1; CXCL13) is an agonist for the human CXCR3 receptor. *Cytokine.* 2001 Aug 7;15(3):113-21.

Kalus I, Bormann U, Mzoughi M, Schachner M, Kleene R. Proteolytic cleavage of the neural cell adhesion molecule by ADAM17/TACE is involved in neurite outgrowth. *J Neurochem.* 2006 Jul;98(1):78-88.

Karpus WJ. Chemokines and central nervous system disorders. *J Neurovirol.* 2001 Dec;7(6):493-500.

Koistinaho M, Koistinaho J. Interactions between Alzheimer's disease and cerebral ischemia--focus on inflammation. *Brain Res Brain Res Rev.* 2005 Apr;48(2):240-50. Epub 2005 Jan 18.

- Kokaia Z, Lindvall O.** Neurogenesis after ischaemic brain insults. *Curr Opin Neurobiol.* 2003 Feb;13(1):127-32.
- Kowalska A.** Genetic basis of neurodegeneration in familial Alzheimer's disease. *Pol J Pharmacol.* 2004 Mar-Apr;56(2):171-8.
- Lammich S, Okochi M, Takeda M, Kaether C, Capell A, Zimmer AK, Edbauer D, Walter J, Steiner H, Haass C.** Presenilin-dependent intramembrane proteolysis of CD44 leads to the liberation of its intracellular domain and the secretion of an Abeta-like peptide. *J Biol Chem.* 2002 Nov 22;277(47):44754-9.
- Laterza OF, Modur VR, Crimmins DL, Olander JV, Landt Y, Lee JM, Ladenson JH.** Identification of novel brain biomarkers. *Clin Chem.* 2006 Sep;52(9):1713-21.
- Lipton P.** Ischemic cell death in brain neurons. *Physiol Rev.* 1999 Oct;79(4):1431-568.
- Livak KJ, Schmittgen TD.** Analysis of relative gene expression data using real-time quantitative PCR and the 2(-Delta Delta C(T)) Method. *Methods.* 2001 Dec;25(4):402-8.
- Lu XC, Williams AJ, Yao C, Berti R, Hartings JA, Whipple R, Vahey MT, Polavarapu RG, Woller KL, Tortella FC, Dave JR.** Microarray analysis of acute and delayed gene expression profile in rats after focal ischemic brain injury and reperfusion. *J Neurosci Res.* 2004 Sep 15;77(6):843-57.
- Luster AD.** Chemokines--chemotactic cytokines that mediate inflammation. *N Engl J Med.* 1998 Feb 12;338(7):436-45.
- Marshall V, Grosset D.** Role of dopamine transporter imaging in routine clinical practice. *Mov Disord.* 2003 Dec;18(12):1415-23.
- Minghetti L.** Role of inflammation in neurodegenerative diseases. *Curr Opin Neurol.* 2005 Jun;18(3):315-21.
- Mojsilovic-Petrovic J, Nesic M, Pen A, Zhang W, Stanimirovic D.** Development of rapid staining protocols for laser-capture microdissection of brain vessels from human and rat coupled to gene expression analyses. *J Neurosci Methods.* 2004 Feb 15;133(1-2):39-48
- Moreira PI, Siedlak SL, Aliev G, Zhu X, Cash AD, Smith MA, Perry G.** Oxidative stress mechanisms and potential therapeutics in Alzheimer disease. *J Neural Transm.* 2005 Jul;112(7):921-32.
- Morris JC, Heyman A, Mohs RC, Hughes JP, van Belle G, Fillenbaum G, Mellits ED, Clark C.** The Consortium to Establish a Registry for Alzheimer's Disease (CERAD). Part I. Clinical and neuropsychological assessment of Alzheimer's disease. *Neurology.* 1989 Sep;39(9):1159-65.
- Nagasawa H, Kogure K.** Correlation between cerebral blood flow and histologic changes in a new rat model of middle cerebral artery occlusion. *Stroke.* 1989 Aug;20(8):1037-43.
- Olson TS, Ley K.** Chemokines and chemokine receptors in leukocyte trafficking. *Am J Physiol Regul Integr Comp Physiol.* 2002 Jul;283(1):R7-28.
- Pal PK, Netravathi M.** Management of neurodegenerative disorders: Parkinson's disease and Alzheimer's disease. *J Indian Med Assoc* 103(3), 168-70, 172, 174-6 (2005)
- Polo-Parada L, Bose CM, Plattner F, Landmesser LT.** Distinct roles of different neural cell adhesion molecule (NCAM) isoforms in synaptic maturation revealed by analysis of NCAM 180 kDa isoform-deficient mice. *J Neurosci.* 2004 Feb 25;24(8):1852-64.

- Rogers J, Strohmeyer R, Kovelowski CJ, Li R.** Microglia and inflammatory mechanisms in the clearance of amyloid beta peptide. *Glia*. 2002 Nov;40(2):260-9.
- Schioppa T, Uranchimeg B, Saccani A, Biswas SK, Doni A, Rapisarda A, Bernasconi S, Saccani S, Nebuloni M, Vago L, Mantovani A, Melillo G, Sica A.** Regulation of the chemokine receptor CXCR4 by hypoxia. *J Exp Med*. 2003 Nov 3;198(9):1391-402.
- Südhof TC, Cao X,** A transcriptionally [correction of transcriptively] active complex of APP with Fe65 and histone acetyltransferase Tip60. *Science*. 2001 Jul 6;293(5527):115-20. Erratum in: *Science* 2001 Aug 24;293(5534):1436.
- Streit WJ, Mrak RE, Griffin WS.** Microglia and neuroinflammation: a pathological perspective. *J Neuroinflammation*. 2004 Jul 30;1(1):14.
- Takami S, Nishikawa H, Minami M, Nishiyori A, Sato M, Akaike A, Satoh M.** Induction of macrophage inflammatory protein MIP-1alpha mRNA on glial cells after focal cerebral ischemia in the rat. *Neurosci Lett*. 1997 May 23;227(3):173-6.
- Thal DR, Braak H.** Post-mortem diagnosis of Alzheimer's disease *Pathologe*, 26(3), 201-13 (2005)
- Tomita H, Vawter MP, Walsh DM, Evans SJ, Choudary PV, Li J, Overman KM, Atz ME, Myers RM, Jones EG, Watson SJ, Akil H, Bunney WE Jr.** Effect of agonal and postmortem factors on gene expression profile: quality control in microarray analyses of postmortem human brain. *Biol Psychiatry*. 2004 Feb 15;55(4):346-52.
- Tuppo EE, Arias HR.** The role of inflammation in Alzheimer's disease. *Int J Biochem Cell Biol*. 2005 Feb;37(2):289-305.
- Vickers JC, Dickson TC, Adlard PA, Saunders HL, King CE, McCormack G.** The cause of neuronal degeneration in Alzheimer's disease. *Prog Neurobiol*. 2000 Feb;60(2):139-65.
- Weldon DT, Rogers SD, Ghilardi JR, Finke MP, Cleary JP, O'Hare E, Esler WP, Maggio JE, Mantyh PW.** Fibrillar beta-amyloid induces microglial phagocytosis, expression of inducible nitric oxide synthase, and loss of a select population of neurons in the rat CNS in vivo. *J Neurosci*. 1998 Mar 15;18(6):2161-73.
- Wisniewski HM, Wegiel J, Wang KC, Kujawa M, Lach B.** Ultrastructural studies of the cells forming amyloid fibers in classical plaques. *Can J Neurol Sci*. 1989 Nov;16(4 Suppl):535-42.
- Yatsu FM, Shaltoni HM.** Implications of silent strokes. *Curr Atheroscler Rep*. 6(4) 307-13 (2004)
- Yool D, Montague P, McLaughlin M, McCulloch MC, Edgar JM, Nave KA, Davies RW, Griffiths IR, McCallion AS.** Phenotypic analysis of mice deficient in the major myelin protein MOBP, and evidence for a novel Mobb isoform. *Glia*. 2002 Sep;39(3):256-67.
- Yoshikawa H.** Myelin-associated oligodendrocytic basic protein modulates the arrangement of radial growth of the axon and the radial component of myelin. *Med Electron Microsc*. 2001 Sep;34(3):160-4.
- Zhai QH, Futrell N, Chen FJ.** Gene expression of IL-10 in relationship to TNF-alpha, IL-1beta and IL-2 in the rat brain following middle cerebral artery occlusion. *J Neurol Sci*. 1997 Nov 25;152(2):119-24.
- Zhao G, Cui MZ, Mao G, Dong Y, Tan J, Sun L, Xu X.** gamma-Cleavage is dependent on zeta-cleavage during the proteolytic processing of amyloid precursor protein within its transmembrane domain. *J Biol Chem*. 2005 Nov 11;280(45):37689-97.

Zlokovic BV, Martel CL, Matsubara E, McComb JG, Zheng G, McCluskey RT, Frangione B, Ghiso J. Glycoprotein 330/megalin: probable role in receptor-mediated transport of apolipoprotein J alone and in a complex with Alzheimer disease amyloid beta at the blood-brain and blood-cerebrospinal fluid barriers. Proc Natl Acad Sci U S A. 1996 Apr 30;93(9):4229-34.