

**Abteilung "Neurodegeneration u. Neurorestaurationsforschung"**

**Journalbeiträge**

1. Brechlin P, Jahn O, Steinacker P, Cepek L, Kratzin H, Lehnert S, Jesse S, Mollenhauer B, Kretschmar HA, Wiltfang J, Otto M (2008) Cerebrospinal fluid-optimized two-dimensional difference gel electrophoresis (2-D DIGE) facilitates the differential diagnosis of Creutzfeldt-Jakob disease. *PROTEOMICS*, 8(20): 4357-66.
2. Breit S, Martin A, Lessmann L, Cerkez D, Gasser T, Schulz JB (2008) Bilateral changes in neuronal activity of the basal ganglia in the unilateral 6-hydroxydopamine rat model. *J NEUROSCI RES*, 86(6): 1388-96.
3. Breit S, Spieker S, Schulz JB, Gasser T (2008) Long-term EMG recordings differentiate between parkinsonian and essential tremor. *J NEUROL*, 255(1): 103-11.
4. Breit S, LeBas JF, Koudsie A, Schulz J, Benazzouz A, Pollak P, Benabid AL (2008) Pretargeting for the implantation of stimulation electrodes into the subthalamic nucleus: a comparative study of magnetic resonance imaging and ventriculography. *NEUROSURGERY*, 62 Suppl 2: 840-52.
5. Dietz GP, Stockhausen KV, Dietz B, Falkenburger BH, Valbuena P, Opazo F, Lingor P, Meuer K, Weishaupt JH, Schulz JB, Bähr M (2008) Membrane-permeable Bcl-xL prevents MPTP-induced dopaminergic neuronal loss in the substantia nigra. *J NEUROCHEM*, 104(3): 757-65.
6. Dodel R, Csoti I, Ebersbach G, Fuchs G, Hahne M, Kuhn W, Oechsner M, Jost W, Reichmann H, Schulz JB (2008) Lewy body dementia and Parkinson's disease with dementia. *J NEUROL*, 255 Suppl 5: 39-47.
7. Döhlinger S, Hauser TK, Borkert J, Luft AR, Schulz JB (2008) Magnetic resonance imaging in spinocerebellar ataxias. *CEREBELLUM*, 7: 204-14.
8. Kölsch H, Jessen F, Wiltfang J, Lewczuk P, Dichgans M, Kornhuber J, Frölich L, Heuser I, Peters O, Schulz JB, Schwab SG, Maier W (2008) Influence of SORL1 gene variants: association with CSF amyloid-beta products in probable Alzheimer's disease. *NEUROSCI LETT*, 440(1): 68-71.
9. Kron M, Reuter J, Gerhardt E, Mancke T, Zhang W, Dutschmann M (2008) Emergence of brain-derived neurotrophic factor-induced postsynaptic potentiation of NMDA currents during the postnatal maturation of the Kolliker-Fuse nucleus of rat. *J PHYSIOL BIOCHEM*, 586(9): 2331-43.
10. Nagel F, Falkenburger BH, Tönges L, Kowsky S, Pöppelmeyer C, Schulz JB, Bähr M, Dietz GP (2008) Tat-Hsp70 protects dopaminergic neurons in midbrain cultures and in the substantia nigra in models of Parkinson's disease. *J NEUROCHEM*, 105(3): 853-64.
11. Nuber S, Petrasch-Parwez E, Winner B, Winkler J, von Hörsten S, Schmidt T, Boy J, Kuhn M, Nguyen HP, Teismann P, Schulz JB, Neumann M, Pichler BJ, Reischl G, Holzmann C, Schmitt I, Bornemann A, Kuhn W, Zimmermann F, Servadio A, Riess O (2008) Neurodegeneration and motor dysfunction in a conditional model of Parkinson's disease. *J NEUROSCI*, 28(10): 2471-84.
12. Opazo F, Krenz A, Heermann S, Schulz JB, Falkenburger BH (2008) Accumulation and clearance of alpha-synuclein aggregates demonstrated by time-lapse imaging. *J NEUROCHEM*, 106(2): 529-40.
13. Radke S, Chander H, Schäfer P, Meiss G, Krüger R, Schulz JB, Germain D (2008) Mitochondrial protein quality control by the proteasome involves ubiquitination and the protease Omi. *J BIOL CHEM*, 283(19): 12681-5.
14. Rajendran L, Schneider A, Schlechtingen G, Weidlich S, Ries J, Braxmeier T, Schwille P, Schulz JB, Schroeder C, Simons M, Jennings G, Knölker HJ, Simons K (2008) Efficient inhibition of the Alzheimer's disease beta-secretase by membrane targeting. *SCIENCE*, 320(5875): 520-3.
15. Reich A, Spering C, Schulz JB (2008) Death receptor Fas (CD95) signaling in the central nervous system: tuning neuroplasticity? *TRENDS NEUROSCI*, 31(9): 478-86.
16. Schulz (2008) Update on the pathogenesis of Parkinson's disease. *J NEUROL*, 255 Suppl 5: 3-7.
17. Uhrig M, Brechlin P, Jahn O, Knyazev Y, Weninger A, Busia L, Honarnejad K, Otto M, Hartmann T (2008) Upregulation of CRABP1 in human neuroblastoma cells overproducing the Alzheimer-typical Abeta42 reduces their differentiation potential. *BMC MED*, 6: 38.

**Medizinische Dissertationen**

1. Borkert J, Dr. med., Magnetresonanztomographie-basierte Volumetrie bei hereditären spinocerebellären Ataxien. Dissertation Universität Göttingen 2008.

**Naturwiss. u.a. nichtmed. Diss.**

1. Opazo F, Dr. rer. nat., Glutamate-induced reversal of dopamine transport is mediated by the PKC signaling pathway. Dissertation Universität Göttingen 2008.