

Journalbeiträge

1. Abholz HH, Elger B, Gries A, Haller N, Haslbeck M, Hübner P, Keller J, Landgraf R, Layer P, Maier C, Marx N, Neundörfer B, Pannek J, Prange H, Rietzsch H, Spranger J, Wilm J, Ziegler D, Richter B (2012) Nationale Versorgungs-Leitlinie bei Diabetes im Erwachsenenalter veröffentlicht. Deutsches Ärzteblatt, 109(4): 166-169.
2. Adams HA, Baumann G, Cascorbi I I, Emmel M, Fischer D, Fries D, Gänsslen A, Hildebrand F, Klar E, J.Klippe H, Knoefel WT, Lampl L, Maul H, Prange H, Rolle U, Sarrafzadeh A, Sasse M, Standl T, Teske W, R.Zerkowski HH (2012) Stellungnahme der Sektion ?Schock? der DIVI zur Schocklage. NOTARZT, 28: 12-16.
3. Agarwal A, Dibaj P, Kassmann CM, Goebbels S, Nave KA, Schwab MH (2012) In vivo imaging and noninvasive ablation of pyramidal neurons in adult NEX-CreERT2 mice. CEREB CORTEX, 22(7): 1473-86.
4. Alcalde-Cabero E, Almazan-Isla J, Brandel JP, Breithaupt M, Catarino J, Collins S, Hayback J, Hoffberger R, Kahana E, Kovacs GG, Ladogana A, Mitrova E, Molesworth A, Nakamura Y, Pocchiari M, Popovic M, Ruiz-Tovar M, Taratuto A, van Duijn C, Yamada M, Will RG, Zerr I, de Pedro Cuesta J (2012) Health professions and risk of sporadic Creutzfeldt-Jakob disease, 1965 to 2010. EUROSURVEILLANCE, 17(15): 20144: 1-10.
5. Alkhaja AK, Jans DC, Nikolov M, Vukotic M, Lytovchenko O, Ludewig F, Schliebs W, Riedel D, Urlaub H, Jakobs S, Deckers M (2012) MINOS1 is a conserved component of mitofilin complexes and required for mitochondrial function and cristae organization. MOL BIOL CELL, 23(2): 247-57.
6. Appleby BS, Zerr I (2012) Sporadic Creutzfeldt-Jakob disease: changes not only in the brain? NEUROLOGY, 79(10): 965-6.
7. Bahari-Javan S, Maddalena A, Kerimoglu C, Wittnam J, Held T, Bähr M, Burkhardt S, Delalle I, Kügler S, Fischer A, Sananbenesi F (2012) HDAC1 regulates fear extinction in mice. J NEUROSCI, 32(15): 5062-73.
8. Barf RP, Van Dijk G, Scheurink AJW, Hoffmann K, Novati A, Hulshof HJ, Fuchs E, Meerlo P (2012) Metabolic consequences of chronic sleep restriction in rats: changes in body weight regulation and energy expenditure. PHYSIOL BEHAV, 107(3): 322-8.
9. Berning S, Willig KI, Steffens H, Dibaj P, Hell SW (2012) Nanoscopy in a living mouse brain. SCIENCE, 335(6068): 551.
10. Bibl M, Welge V, Schmidt H, Esselmann H, Mollenhauer B, Lewczuk P, Otto M, Kornhuber J, Wiltfang J (2012) Plasma amyloid-beta peptides in acute cerebral ischemia: a pilot study. J CLIN LAB ANAL, 26(4): 238-45.
11. Cooksley-Decasper S, Reiser H, Thommen DS, Biedermann B, Neidhart M, Gawinecka J, Cathomas G, Franzeck FC, Wyss C, Klingenberg R, Nanni P, Roschitzki B, Matter C, Wolint P, Emmert MY, Husmann M, Amann-Vesti B, Maier W, Gay S, Lüscher TF, von Eckardstein A, Hof D (2012) Antibody phage display assisted identification of junction plakoglobin as a potential biomarker for atherosclerosis. PLOS ONE, 7(10): e47985.
12. Coolen A, Hoffmann K, Barf RP, Fuchs E, Meerlo P (2012) Telemetric study of sleep architecture and sleep homeostasis in the day-active tree shrew Tupaia belangeri. SLEEP, 35(6): 879-88.
13. Cronier S, Carimalo J, Schaeffer B, Jaumain E, Béringue V, Miquel MC, Laude H, Peyrin JM (2012) Endogenous prion protein conversion is required for prion-induced neuritic alterations and neuronal death. FASEB J, 26(9): 3854-61.
14. Dalchow CV, Schmidt C, Harbort J, Knecht R, Grzyska U, Muenscher A (2012) Imaging of ancient Egyptian mummies' temporal bones with digital volume tomography. EUR ARCH OTO-RHINO-L, 269(10): 2277-84.
15. Dibaj P, Zschüntzsch J, Steffens H, Scheffel J, Göricke B, Weishaupt JH, Le Meur K, Kirchhoff F, Hanisch UK, Schomburg ED, Neusch C (2012) Influence of methylene blue on microglia-induced inflammation and motor neuron degeneration in the SOD1(G93A) model for ALS. PLOS ONE, 7(8): e43963.
16. Dieelberg C, Ribes S, Michel U, Redlich S, Brück W, Nau R, Schütze S (2012) Follistatin does not influence the course of Escherichia coli K1 sepsis in a mouse model. SHOCK, 38(6): 615-9.
17. Djukic M, Schulz D, Schmidt H, Lange P, Nau R (2012) Cerebrospinal fluid findings in geriatric patients from 2008 to 2011. Z GERONTOL GERIATR, 259 (4): 630-636.
18. Djukic M, Munz M, Sörgel F, Holzgrabe U, Eiffert H, Nau R (2012) Overton's rule helps to estimate the penetration of anti-infectives into patients' cerebrospinal fluid. ANTIMICROB AGENTS CH, 56(2): 979-88.
19. Djukic M, Schmidt-Samoa C, Lange P, Spreer A, Neubieser K, Eiffert H, Nau R, Schmidt H (2012) Cerebrospinal fluid findings in adults with acute Lyme neuroborreliosis. J NEUROL, 259(4): 630-6.
20. Doepfner TR, Ewert TAS, Tönges L, Herz J, Zechariah A, ElAli A, Ludwig AK, Giebel B, Nagel F, Dietz GPH, Weise J, Hermann DM, Bähr M (2012) Transduction of neural precursor cells with TAT-heat shock protein 70 chaperone: therapeutic potential against ischemic stroke after intrastriatal and systemic transplantation. STEM CELLS, 30(6): 1297-310.

21. Doepfner TR, Mlynarczuk-Bialy I, Kuckelkorn U, Kaltwasser B, Herz J, Hasan MR, Hermann DM, Bähr M (2012) The novel proteasome inhibitor BSc2118 protects against cerebral ischaemia through HIF1A accumulation and enhanced angiogenesis. *BRAIN*, 135(Pt 11): 3282-97.
22. Drinkut A, Tereshchenko Y, Schulz JB, Bähr M, Kügler S (2012) Efficient gene therapy for Parkinson's disease using astrocytes as hosts for localized neurotrophic factor delivery. *MOL THER*, 20(3): 534-43.
23. Foerch C, Niessner M, Back T, Bauerle M, De Marchis GM, Ferbert A, Grehl H, Hamann GF, Jacobs A, Kastrup A, Klimpe S, Palm F, Thomalla G, Worthmann H, Sitzer M, BE FAST Study Group (2012) Diagnostic accuracy of plasma glial fibrillary acidic protein for differentiating intracerebral hemorrhage and cerebral ischemia in patients with symptoms of acute stroke. *CLIN CHEM*, 58(1): 237-45.
24. Frank T, Klinker F, Falkenburger BH, Laage R, Lühder F, Göricke B, Schneider A, Neurath H, Desel H, Liebetanz D, Bähr M, Weishaupt JH (2012) Pegylated granulocyte colony-stimulating factor conveys long-term neuroprotection and improves functional outcome in a model of Parkinson's disease. *BRAIN*, 135(Pt 6): 1914-25.
25. Gabriël S, Blocher J, Dorny P, Abatih EN, Schmutzhard E, Ombay M, Mathias B, Winkler AS (2012) Added value of antigen ELISA in the diagnosis of neurocysticercosis in resource poor settings. *PLOS NEGLECT TROP D*, 6(10): e1851.
26. Garea-Rodríguez E, Schlumbohm C, Czéh B, König J, Helms G, Heckmann C, Meller B, Meller J, Fuchs E (2012) Visualizing dopamine transporter integrity with iodine-123-FP-CIT SPECT in combination with high resolution MRI in the brain of the common marmoset monkey. *J NEUROSCI METH*, 210(2): 195-201.
27. Gawinecka J, Cardone F, Asif AR, De Pascalis A, Wemheuer WM, Schulz-Schaeffer WJ, Pocchiarri M, Zerr I (2012) Sporadic Creutzfeldt-Jakob disease subtype-specific alterations of the brain proteome: impact on Rab3a recycling. *PROTEOMICS*, 12(23-24): 3610-20.
28. Gawinecka J, Ciesielczyk B, Sanchez-Juan P, Schmitz M, Heinemann U, Zerr I (2012) Desmoplakin as a potential candidate for cerebrospinal fluid marker to rule out 14-3-3 false positive rates in sporadic Creutzfeldt-Jakob disease differential diagnosis. *NEURODEGENER DIS*, 9(3): 139-44.
29. Gerber J, Redlich S, Ribes S, Tauber SC, Schmidt H, Nau R (2012) Intrathecal treatment with the anti-phosphorylcholine monoclonal antibody TEPC-15 decreases neuronal damage in experimental pneumococcal meningitis. *CHEMOTHERAPY*, 58(3): 212-6.
30. Gröschel K, Schnaudigel S, Edelmann F, Niehaus CF, Weber-Krüger M, Haase B, Lahno R, Seegers J, Wasser K, Wohlfahrt J, Vollmann D, Stahrenberg R, Wachter R (2012) Growth-differentiation factor-15 and functional outcome after acute ischemic stroke. *J NEUROL*, 259(8): 1574-9.
31. Grotjohann T, Testa I, Reuss M, Brakemann T, Eggeling C, Hell SW, Jakobs S (2012) rsEGFP2 enables fast RESOLFT nanoscopy of living cells. *Elife*, 1: e00248.
32. Günther R, Suhr M, Koch JC, Bähr M, Lingor P, Tönges L (2012) Clinical testing and spinal cord removal in a mouse model for amyotrophic lateral sclerosis (ALS). *J Vis Exp*, 61(61): e3936.
33. Hagemeyer N, Boretius S, Ott C, Von Streitberg A, Welpinghus H, Sperling S, Frahm J, Simons M, Ghezzi P, Ehrenreich H (2012) Erythropoietin attenuates neurological and histological consequences of toxic demyelination in mice. *MOL MED*, 18: 628-35.
34. Hasan MR, Herz J, Hermann DM, Doepfner TR (2012) Visualization of macroscopic cerebral vessel anatomy--a new and reliable technique in mice. *J NEUROSCI METH*, 204(2): 249-53.
35. Hein K, Gadjanski I, Kretzschmar B, Lange K, Diem R, Sättler MB, Bähr M (2012) An optical coherence tomography study on degeneration of retinal nerve fiber layer in rats with autoimmune optic neuritis. *INVEST OPHTH VIS SCI*, 53(1): 157-63.
36. Herz J, Reitmeir R, Hagen SI, Reinboth BS, Guo Z, Zechariah A, ElAli A, Doepfner TR, Bacigaluppi M, Pluchino S, Kilic U, Kilic E, Hermann DM (2012) Intracerebroventricularly delivered VEGF promotes contralesional corticorubral plasticity after focal cerebral ischemia via mechanisms involving anti-inflammatory actions. *NEUROBIOL DIS*, 45(3): 1077-85.
37. Hoffmann K, Coolen A, Schlumbohm C, Meerlo P, Fuchs E (2012) Remote long-term registrations of sleep-wake rhythms, core body temperature and activity in marmoset monkeys. *BEHAV BRAIN RES*, 235(2): 113-23.
38. Kallenberg K, Rühlmann J, Baudewig J, Larsen J, Gröschel S, Dechent P, Kastrup A, Knauth M (2012) Analysis of Reserve Capacity and Subsequent Stenting in a Case of Subacute Occlusion of the Internal Carotid Artery. *Clin Neuroradiol*, online: 1-5.
39. Karpiuk O, Najafova Z, Kramer F, Hennion M, Galonska C, König A, Snaidero N, Vogel T, Shchebet A, Begus-Nahrmann Y, Kassem M, Simons M, Shcherbata H, Beissbarth T, Johnsen SA (2012) The histone H2B monoubiquitination regulatory pathway is required for differentiation of multipotent stem cells. *MOL CELL*, 46(5): 705-13.

40. Klionsky DJ, Abdalla FC, Abeliovich H, Abraham RT, Acevedo-Arozena A, Adeli K, Agholme L, Agnello M, Agostinis P, Aguirre-Ghiso JA, Ahn HJ, Ait-Mohamed O, Ait-Si-Ali S, Akematsu T, Akira S, Al-Younes HM, Al-Zeer MA, Albert ML, Albin RL, Alegre-Abarrategui J, Aleo MF, Alirezaei M, Almasan A, Almonte-Becerril M, Amano A, Amaravadi R, Amarnath S, Amer AO, Andrieu-Abadie N, Anantharam V, Ann DK, Anoopkumar-Dukie S, Aoki H, Apostolova N, Arancia G, Aris JP, Asanuma K, Asare NYO, Ashida H, Askanas V, Askew DS, Auberger P, Baba M, Backues SK, Baehrecke EH, Bahr BA, Bai XY, Bailly Y, Baiocchi R, Baldini G, Balduini W, Ballabio A, Bamber BA, Bampton ETW, Bánhegyi G, Bartholomew CR, Bassham DC, Bast RC, Batoko H, Bay BH, Beau I, Béchet DM, Begley TJ, Behl C, Behrends C, Bekri S, Bellaire B, Bendall LJ, Benetti L, Berliocchi L, Bernardi H, Bernassola F, Besteiro S, Bhatia-Kissova I, Bi X, Biard-Piechaczyk M, Blum JS, Boise LH, Bonaldo P, Boone DL, Bornhauser BC, Bortoluci KR, Bossis I, Bost F, Bourquin JP, Boya P, Boyer-Guittaut M, Bozhkov PV, Brady NR, Brancolini C, Brech A, Brenman JE, Brennand A, Bresnick EH, Brest P, Bridges D, Bristol ML, Brookes PS, Brown EJ, Brumell JH, Brunetti-Pierri N, Brunk UT, Bulman DE, Bultman SJ, Bultynck G, Burbulla LF, Bursch W, Butchar JP, Buzgariu W, Bydłowski SP, Cadwell K, Cahová M, Cai D, Cai J, Cai Q, Calabretta B, Calvo-Garrido J, Camougrand N, Campanella M, Campos-Salinas J, Candi E, Cao L, Caplan AB, Carding SR, Cardoso SM, Carew JS, Carlin CR, Carmignac V, Carneiro LAM, Carra S, Caruso RA, Casari G, Casas C, Castino R, Cebollero E, Cecconi F, Celli J, Chaachouay H, Chae HJ, Chai CY, Chan DC, Chan EY, Chang RCC, Che CM, Chen CC, Chen GC, Chen GQ, Chen M, Chen Q, Chen SSL, Chen W, Chen X, Chen X, Chen X, Chen YG, Chen Y, Chen Y, Chen YJ, Chen Z, Cheng A, Cheng CHK, Cheng Y, Cheong H, Cheong JH, Cherry S, Chess-Williams R, Cheung ZH, Chevet E, Chiang HL, Chiarelli R, Chiba T, Chin LS, Chiou SH, Chisari FV, Cho CH, Cho DH, Choi AMK, Choi D, Choi KS, Choi ME, Chouaib S, Choubey D, Choubey V, Chu CT, Chuang TH, Chueh SH, Chun T, Chwae YJ, Chye ML, Ciarcia R, Ciriolo MR, Clague MJ, Clark RSB, Clarke PGH, Clarke R, Codogno P, Collier HA, Colombo MI, Comincini S, Condello M, Condorelli F, Cookson MR, Coombs GH, Coppens I, Corbalan R, Cossart P, Costelli P, Costes S, Coto-Montes A, Couve E, Coxon FP, Cregg JM, Crespo JL, Cronjé MJ, Cuervo AM, Cullen JJ, Czaja MJ, D'Amelio M, Darfeuille-Michaud A, Davids LM, Davies FE, De Felici M, de Groot JF, de Haan CAM, De Martino L, De Milito A, De Tata V, Debnath J, Degterev A, Dehay B, Delbridge LMD, Demarchi F, Deng YZ, Dengjel J, Dent P, Denton D, Deretic V, Desai SD, Devenish RJ, Di Giacchino M, Di Paolo G, Di Pietro C, Díaz-Araya G, Díaz-Laviada I, Diaz-Meco MT, Diaz-Nido J, Dikic I, Dinesh-Kumar SP, Ding WX, Dis (2012) Guidelines for the use and interpretation of assays for monitoring autophagy. *AUTOPHAGY*, 8(4): 445-544.
41. Kolmakov K, Wurm CA, Hennig R, Rapp E, Jakobs S, Belov VN, Hell SW (2012) Red-emitting rhodamines with hydroxylated, sulfonated, and phosphorylated dye residues and their use in fluorescence nanoscopy. *CHEM-EUR J*, 18(41): 12986-98.
42. Koziolok MJ, Tampe D, Bähr M, Dihazi H, Jung K, Fitzner D, Klingel R, Müller GA, Kitze B (2012) Immunoabsorption therapy in patients with multiple sclerosis with steroid-refractory optical neuritis. *J NEUROINFLAMM*, 9: 80.
43. Krumova P, Weishaupt JH (2012) Sumoylation fights "aggregopathies". *CELL CYCLE*, 11(4): 641-2.
44. Krumova P, Weishaupt JH (2012) Sumoylation in neurodegenerative diseases. *CELL MOL LIFE SCI*, online: 1-16.
45. Ku?akowska A, Mroczko B, Mantur M, Lelental N, Tarasiuk J, Kapica-Topczewska K, Schulz U, Lange P, Zimmermann R, Kornhuber J, Lewczuk P (2012) Multiplexing analysis of the polyspecific intrathecal immune response in multiple sclerosis. *METHODS*, 56(4): 528-31.
46. Lange K, Bähr M, Hein K (2012) Author response: Retinal nerve fiber layer thickness measurements in rats with the spectral domain optical coherence tomography. *INVEST OPHTH VIS SCI*, 53(7): 3570-1.
47. Leitritz MA, Leo-Kottler B, Batra M, Ostertag K, Bartz-Schmidt KU, Spitzer MS (2012) Cataract as 'initial symptom' of Creutzfeldt-Jacob disease. *ACTA OPHTHALMOL*, 90(6): e489-90.
48. Lescher J, Paap F, Schultz V, Redenbach L, Scheidt U, Rosewich H, Nessler S, Fuchs E, Gärtner J, Brück W, Junker A (2012) MicroRNA regulation in experimental autoimmune encephalomyelitis in mice and marmosets resembles regulation in human multiple sclerosis lesions. *J NEUROIMMUNOL*, 246(1-2): 27-33.
49. Liebetanz D, Gerber J, Schiffner C, Schütze S, Klinker F, Jarry H, Nau R, Tauber SC (2012) Pre-infection physical exercise decreases mortality and stimulates neurogenesis in bacterial meningitis. *J NEUROINFLAMM*, 9: 168.
50. Liman J, Wellmer A, Rostasy K, Bähr M, Kermer P (2012) Transcranial ultrasound in neurodegeneration with brain iron accumulation (NBIA). *EUR J PAEDIATR NEURO*, 16(2): 175-8.
51. Lingor P, Koch JC, Tönges L, Bähr M (2012) Axonal degeneration as a therapeutic target in the CNS. *CELL TISSUE RES*, 349(1): 289-311.
52. Ludolph AC, Brettschneider J, Weishaupt JH (2012) Amyotrophic lateral sclerosis. *CURR OPIN NEUROL*, 25(5): 530-5.
53. Manrique-Hoyos N, Jürgens T, Grønborg M, Kreutzfeldt M, Schedensack M, Kuhlmann T, Schrick C, Brück W, Urlaub H, Simons M, Merkler D (2012) Late motor decline after accomplished remyelination: impact for progressive multiple sclerosis. *ANN NEUROL*, 71(2): 227-44.

54. Margolis DJ, Lütcke H, Schulz K, Haiss F, Weber B, Kügler S, Hasan MT, Helmchen F (2012) Reorganization of cortical population activity imaged throughout long-term sensory deprivation. *NAT NEUROSCI*, 15(11): 1539-46.
55. Mead S, Uphill J, Beck J, Poulter M, Campbell T, Lowe J, Adamson G, Hummerich H, Klopp N, Rückert IM, Wichmann HE, Azazi D, Plagnol V, Pako WH, Whitfield J, Alpers MP, Whittaker J, Balding DJ, Zerr I, Kretzschmar H, Collinge J (2012) Genome-wide association study in multiple human prion diseases suggests genetic risk factors additional to PRNP. *HUM MOL GENET*, 21(8): 1897-906.
56. Minderer M, Liu W, Sumanovski LT, Kügler S, Helmchen F, Margolis DJ (2012) Chronic imaging of cortical sensory map dynamics using a genetically encoded calcium indicator. *J PHYSIOL-LONDON*, 590(Pt 1): 99-107.
57. Mitura A, Liebert F, Schlumbohm C, Fuchs E (2012) Improving the energy and nutrient supply for common marmoset monkeys fed under long-term laboratory conditions. *J MED PRIMATOL*, 41(2): 82-8.
58. Mödden C, Behrens M, Damke I, Eilers N, Kastrup A, Hildebrandt H (2012) A randomized controlled trial comparing 2 interventions for visual field loss with standard occupational therapy during inpatient stroke rehabilitation. *NEUROREHAB NEURAL RE*, 26(5): 463-9.
59. Mollenhauer B, Trautmann E, Otte B, Ng J, Spreer A, Lange P, Sixel-Döring F, Hakimi M, Vonsattel JP, Nussbaum R, Trenkwalder C, Schlossmacher MG (2012) τ -Synuclein in human cerebrospinal fluid is principally derived from neurons of the central nervous system. *J NEURAL TRANSM*, 119(7): 739-46.
60. Müller HW, Sendtner M, Bähr M (2012) Molecular basis of neural repair mechanisms. *CELL TISSUE RES*, 349(1): 1-4.
61. Nawaz S, Sánchez P, Bodensiek K, Li S, Simons M, Schaap IAT (2012) Cell visco-elasticity measured with AFM and optical trapping at sub-micrometer deformations. *PLOS ONE*, 7(9): e45297.
62. Neusch C, Kuhlmann T, Kress W, Schneider-Gold C (2012) Late-onset myopathy of the posterior calf muscles mimicking Miyoshi myopathy unrelated to dysferlin mutation: a case report. *J Med Case Rep*, 6(1): 345.
63. Paschke K, Jordan K, Wüstenberg T, Baudewig J, Leo Müller J (2012) Mirrored or identical--is the role of visual perception underestimated in the mental rotation process of 3D-objects?: a combined fMRI-eye tracking-study. *NEUROPSYCHOLOGIA*, 50(8): 1844-51.
64. Petroi D, Popova B, Taheri-Talesh N, Irniger S, Shahpasandzadeh H, Zweckstetter M, Outeiro TF, Braus GH (2012) Aggregate clearance of τ -synuclein in *Saccharomyces cerevisiae* depends more on autophagosome and vacuole function than on the proteasome. *J BIOL CHEM*, 287(33): 27567-79.
65. Psychogios MN, Kreuzsch A, Wasser K, Mohr A, Gröschel K, Knauth M (2012) Recanalization of large intracranial vessels using the penumbra system: a single-center experience. *AM J NEURORADIOL*, 33(8): 1488-93.
66. Sagala FSP, Harnack D, Bobrov E, Sohr R, Gertler C, James Surmeier D, Kupsch A (2012) Neurochemical characterization of the striatum and the nucleus accumbens in L-type Ca(v)1.3 channels knockout mice. *NEUROCHEM INT*, 60(3): 229-32.
67. Saher G, Rudolphi F, Corthals K, Ruhwedel T, Schmidt KF, Löwel S, Dibaj P, Barrette B, Möbius W, Nave KA (2012) Therapy of Pelizaeus-Merzbacher disease in mice by feeding a cholesterol-enriched diet. *NAT MED*, 18(7): 1130-5.
68. Scheffel J, Regen T, Van Rossum D, Seifert S, Ribes S, Nau R, Parsa R, Harris RA, Boddeke HWGM, Chuang HN, Pukrop T, Wessels JT, Jürgens T, Merkler D, Brück W, Schnaars M, Simons M, Kettenmann H, Hanisch UK (2012) Toll-like receptor activation reveals developmental reorganization and unmasks responder subsets of microglia. *GLIA*, 60(12): 1930-43.
69. Schelzke G, Kretzschmar HA, Zerr I (2012) Clinical aspects of common genetic Creutzfeldt-Jakob disease. *EUR J EPIDEMIOL*, 27(2): 147-9.
70. Schmidt C, Haik S, Satoh K, Rábano A, Martinez-Martin P, Roeber S, Brandel JP, Calero-Lara M, de Pedro-Cuesta J, Laplanche JL, Hauw JJ, Kretzschmar H, Zerr I (2012) Rapidly progressive Alzheimer's disease: a multicenter update. *J ALZHEIMERS DIS*, 30(4): 751-6.
71. Schmidt C, Karch A, Korth C, Zerr I (2012) On the issue of transmissibility of Alzheimer disease: a critical review. *PRION*, 6(5): 447-52.
72. Schmidt C, Wolff M, von Ahnen N, Zerr I (2012) Alzheimer's disease: genetic polymorphisms and rate of decline. *DEMENT GERIATR COGN*, 33(2-3): 84-9.
73. Schmidt J, Barthel K, Zschüntzsch J, Muth IE, Swindle EJ, Hombach A, Sehmisch S, Wrede A, Lühder F, Gold R, Dalakas MC (2012) Nitric oxide stress in sporadic inclusion body myositis muscle fibres: inhibition of inducible nitric oxide synthase prevents interleukin-1 β -induced accumulation of τ -amyloid and cell death. *BRAIN*, 135(Pt 4): 1102-14.
74. Schneider A, Simons M (2012) Antioxidative strategies in cognitive impairment: a novel connection between biliverdin-reductase and statins. *J NEUROCHEM*, 120(1): 1-3.

75. Schneider E, Jensen LR, Farcas R, Kondova I, Bontrop RE, Navarro B, Fuchs E, Kuss AW, Haaf T (2012) A high density of human communication-associated genes in chromosome 7q31-q36: differential expression in human and non-human primate cortices. *CYTOGENET GENOME RES*, 136(2): 97-106.
76. Schneider E, Mayer S, El Hajj N, Jensen LR, Kuss AW, Zischler H, Kondova I, Bontrop RE, Navarro B, Fuchs E, Zechner U, Haaf T (2012) Methylation and expression analyses of the 7q autism susceptibility locus genes MEST, COPG2, and TSGA14 in human and anthropoid primate cortices. *CYTOGENET GENOME RES*, 136(4): 278-87.
77. Schomburg ED, Steffens H, Dibaj P, Sears TA (2012) Major contribution of A β -fibres to increased reflex transmission in the feline spinal cord during acute muscle inflammation. *NEUROSCI RES*, 72(2): 155-62.
78. Seehase S, Lauenstein HD, Schlumbohm C, Switalla S, Neuhaus V, Förster C, Fieguth HG, Pfennig O, Fuchs E, Kaup FJ, Bleyer M, Hohlfeld JM, Braun A, Sewald K, Knauf S (2012) LPS-induced lung inflammation in marmoset monkeys - an acute model for anti-inflammatory drug testing. *PLOS ONE*, 7(8): e43709.
79. Simões AT, Gonçalves N, Koeppen A, Déglon N, Kügler S, Duarte CB, Pereira de Almeida L (2012) Calpastatin-mediated inhibition of calpains in the mouse brain prevents mutant ataxin 3 proteolysis, nuclear localization and aggregation, relieving Machado-Joseph disease. *BRAIN*, 135(Pt 8): 2428-39.
80. Simons M, Snaidero N, Aggarwal S (2012) Cell polarity in myelinating glia: from membrane flow to diffusion barriers. *BICHIM BIOPHYS ACTA*, 1821(8): 1146-53.
81. Steffens H, Dibaj P, Schomburg ED (2012) In vivo measurement of conduction velocities in afferent and efferent nerve fibre groups in mice. *PHYSIOL RES*, 61(2): 203-14.
82. Stoeck K, Sanchez-Juan P, Gawinecka J, Green A, Ladogana A, Pocchiari M, Sanchez-Valle R, Mitrova E, Sklaviadis T, Kulczycki J, Slivarichova D, Saiz A, Calero M, Knight R, Aguzzi A, Laplanche JL, Peoc'h K, Schelzke G, Karch A, van Duijn CM, Zerr I (2012) Cerebrospinal fluid biomarker supported diagnosis of Creutzfeldt-Jakob disease and rapid dementias: a longitudinal multicentre study over 10 years. *BRAIN*, 135(Pt 10): 3051-61.
83. Stoldt S, Wenzel D, Hildenbeutel M, Wurm CA, Herrmann JM, Jakobs S (2012) The inner-mitochondrial distribution of Oxa1 depends on the growth conditions and on the availability of substrates. *MOL BIOL CELL*, 23(12): 2292-301.
84. Sühs KW, Hein K, Pehlke JR, Käsmann-Kellner B, Diem R (2012) Retinal nerve fibre layer thinning in patients with clinically isolated optic neuritis and early treatment with interferon-beta. *PLOS ONE*, 7(12): e51645.
85. Sühs KW, Hein K, Sättler MB, Görlitz A, Ciupka C, Scholz K, Käsmann-Kellner B, Papanagiotou P, Schäffler N, Restemeyer C, Bittersohl D, Hassenstein A, Seitz B, Reith W, Fassbender K, Hilgers R, Heesen C, Bähr M, Diem R (2012) A randomized, double-blind, phase 2 study of erythropoietin in optic neuritis. *ANN NEUROL*, 72(2): 199-210.
86. Szego ÉM, Gerhardt E, Kermer P, Schulz JB (2012) A30P α -synuclein impairs dopaminergic fiber regeneration and interacts with L-DOPA replacement in MPTP-treated mice. *NEUROBIOL DIS*, 45(1): 591-600.
87. 't Hart BA, Abbott DH, Nakamura K, Fuchs E (2012) The marmoset monkey: a multi-purpose preclinical and translational model of human biology and disease. *DRUG DISCOV TODAY*, 17(21-22): 1160-5.
88. Taschenberger G, Garrido M, Tereshchenko Y, Bähr M, Zweckstetter M, Kügler S (2012) Aggregation of α -Synuclein promotes progressive in vivo neurotoxicity in adult rat dopaminergic neurons. *ACTA NEUROPATHOL*, 123(5): 671-83.
89. Testa I, Urban NT, Jakobs S, Eggeling C, Willig KI, Hell SW (2012) Nanoscopy of living brain slices with low light levels. *NEURON*, 75(6): 992-1000.
90. Tönges L, Frank T, Tatenhorst L, Saal KA, Koch JC, Szego ÉM, Bähr M, Weishaupt JH, Lingor P (2012) Inhibition of rho kinase enhances survival of dopaminergic neurons and attenuates axonal loss in a mouse model of Parkinson's disease. *BRAIN*, 135(Pt 11): 3355-70.
91. Treiber H, Hagemeyer N, Ehrenreich H, Simons M (2012) BACE1 in central nervous system myelination revisited. *MOL PSYCHIATR*, 17(3): 237-9.
92. von Steinbuechel N, Wilson L, Gibbons H, Muehlan H, Schmidt H, Schmidt S, Sasse N, Koskinen S, Sarajuuri J, Höfer S, Bullinger M, Maas A, Neugebauer E, Powell J, von Wild K, Zitnay G, Bakx W, Christensen AL, Formisano R, Hawthorne G, Truelle JL (2012) QOLIBRI overall scale: a brief index of health-related quality of life after traumatic brain injury. *J NEUROL NEUROSUR PS*, 83(11): 1041-7.
93. Voßfeldt H, Butzlaff M, Prüssing K, Ní Chárthaigh RA, Karsten P, Lankes A, Hamm S, Simons M, Adryan B, Schulz JB, Voigt A (2012) Large-scale screen for modifiers of ataxin-3-derived polyglutamine-induced toxicity in Drosophila. *PLOS ONE*, 7(11): e47452.
94. Vukotic M, Oeljeklaus S, Wiese S, Vögtle FN, Meisinger C, Meyer HE, Ziesenis A, Katschinski DM, Jans DC, Jakobs S, Warscheid B, Rehling P, Deckers M (2012) Rcf1 mediates cytochrome oxidase assembly and respirasome formation, revealing heterogeneity of the enzyme complex. *CELL METAB*, 15(3): 336-47.

95. Wachter R, Lahno R, Haase B, Weber-Krüger M, Seegers J, Edelmann F, Wohlfahrt J, Gelbrich G, Görlitz A, Kermer P, Vollmann D, Hasenfuß G, Gröschel K, Stahrenberg R (2012) Natriuretic peptides for the detection of paroxysmal atrial fibrillation in patients with cerebral ischemia--the Find-AF study. PLOS ONE, 7(4): e34351.
96. Wachter R, Stahrenberg R, Gröschel K (2012) Subclinical atrial fibrillation and the risk of stroke. NEW ENGL J MED, 366(14): 1350-1; author reply 1352-3.
97. Wasser K, Hildebrandt H, Gröschel S, Stojanovic T, Schmidt H, Gröschel K, Pilgram-Pastor SM, Knauth M, Kastrup A (2012) Age-dependent effects of carotid endarterectomy or stenting on cognitive performance. J NEUROL, 259(11): 2309-18.
98. Wasser K, Schnaudigel S, Wohlfahrt J, Psychogios MN, Schramm P, Knauth M, Gröschel K (2012) Clinical impact and predictors of carotid artery in-stent restenosis. J NEUROL, 259(9): 1896-902.
99. Weishaupt JH, Ganser C, Bähr M (2012) Inflammatory demyelinating CNS disorder in a case of X-linked Charcot-Marie-Tooth disease: positive response to natalizumab. J NEUROL, 259(9): 1967-9.
100. Weller C, Zschüntzsch J, Makosch G, Metselaar JM, Klinker F, Klinge L, Liebetanz D, Schmidt J (2012) Motor performance of young dystrophic mdx mice treated with long-circulating prednisolone liposomes. J NEUROSCI RES, 90(5): 1067-77.
101. Wurm CA, Kolmakov K, Göttfert F, Ta H, Bossi M, Schill H, Berning S, Jakobs S, Donnert G, Belov VN, Hell SJ (2012) Novel red fluorophores with superior performance in STED microscopy. Optical Nanoscopy, 1: 7.
102. Yamashita A, Fuchs E, Taira M, Yamamoto T, Hayashi M (2012) Somatostatin-immunoreactive senile plaque-like structures in the frontal cortex and nucleus accumbens of aged tree shrews and Japanese macaques. J MED PRIMATOL, 41(3): 147-57.
103. Yee N, Schwarting RKW, Fuchs E, Wöhr M (2012) Increased affective ultrasonic communication during fear learning in adult male rats exposed to maternal immune activation. J PSYCHIATR RES, 46(9): 1199-205.
104. Yee N, Schwarting RKW, Fuchs E, Wöhr M (2012) Juvenile stress potentiates aversive 22-kHz ultrasonic vocalizations and freezing during auditory fear conditioning in adult male rats. STRESS, 15(5): 533-44.
105. Zilles D, Zerr I, Wedekind D (2012) Successful treatment of musical hallucinations with the acetylcholinesterase inhibitor donepezil. J CLIN PSYCHOPHARM, 32(3): 422-4.
106. Zschüntzsch J, Voss J, Creus K, Sehmisch S, Raju R, Dalakas MC, Schmidt J (2012) Provision of an explanation for the inefficacy of immunotherapy in sporadic inclusion body myositis: quantitative assessment of inflammation and β -amyloid in the muscle. ARTHRITIS RHEUM-US, 64(12): 4094-103.

Buchbeiträge

1. Budka H, Kallenberg K, Steinhoff B, Sturzenegger M, Urbach H, Weber JR, Zerr I (2012) Creutzfeldt-Jacob-Krankheit. In: Kommission "Leitlinien" der DGN: HC Diener, C Weimar et al. (Hg.) Leitlinien für Diagnostik und Therapie in der Neurologie. Georg Thieme Verlag, Stuttgart, 570-576.
2. Dörner T, Hohfeld R, Melms A, Schmidt J, Sinnreich M, Walter MC, Wanschitz J, Wiendl H (2012) Myositissyndrome. In: Kommission "Leitlinien" der DGN: HC Diener, C Weimar et al. (Hg.) Leitlinien für Diagnostik und Therapie in der Neurologie. Georg Thieme Verlag, Stuttgart, 857-871.
3. Koch JC, Bähr M, Lingor P (2012) Targeting neurological disease with siRNA. In: A Morozov (Hg.) Neuromethods. Springer Verlag, Berlin/Heidelberg/New York, 97-112.
4. Liman J, Bähr M, Kermer P (2012) Transcranial ultrasound in adults and children with movement disorders. In: E Bartels, S Bartels, H Poppert (Hg.) New Trends in Neurosonology and Cerebral Hemodynamics. Elsevier Verlag, 349-352.
5. Schmidt J, Wilichowski E, Hell A, Klinge L, Schulz-Schaeffer W, Sereda M (2012) Neuromuskuläres Zentrum Göttingen. In: Reinhard Dengler, Bernhard Neundörfer, Horst Ganter (Hg.) Jahrbuch der Deutschen Gesellschaft für Muskelkranke e.V. AWS Medienverlag, Ettlingen, 44-50,.
6. Wasser K, Gröschel S, Wohlfahrt J, Gröschel K (2012) Predictors of carotid artery in-stent restenosis. In: E Bartels, S Bartels, H Poppert (Hg.) New Trends in Neurosonology and Cerebral Hemodynamics. Elsevier Verlag, 122-128.
7. Zerr I, Heinemann U (2012) Demenz bei entzündlichen Erkrankungen und Infektionskrankheiten. In: CW Wallesch, H Förstl (Hg.) Demenzen. Georg Thieme Verlag, Stuttgart, 261-271.

Habilitationen

1. Hein K (2012) Entwicklung neuroprotektiver Therapiestrategien im Tiermodell der Multiplen Sklerose. Habilitation Universität Göttingen.
2. Schütze S (2012) Einfluss von bakteriellen Infektionen auf den Verlauf neurodegenerativer Erkrankungen - Untersuchungen in Zellkultur- und Mausmodellen mit Fokussierung auf die Rolle der Mikroglia. Habilitation Universität Göttingen.

Medizinische Dissertationen

1. Betschart I, Dr. med. (2012) Die Neurogenese im Hippokampus und der subventrikulären Zone bei bakterieller Meningitis. Dissertation Universität Göttingen.
2. Bretschneider E, Dr. med. (2012) Untersuchungen zur endogenen Neurogenese an Ephrin-B3-defizienten Mäusen nach zerebraler Ischämie. Dissertation Universität Göttingen.
3. Dezhgahi Z, Dr. med. (2012) Regulation der mRNA von Toll-Like-Rezeptoren bei experimentellen ZNS-Infektionen. Dissertation Universität Göttingen.
4. Fischer C, Dr. med. (2012) Molekulare Zellstressmechanismen bei der hereditären Einschlusskörpermyopathie. Dissertation Universität Göttingen.
5. Franzke A, Dr. med. (2012) S-100B als Verlaufsparemeter beim ischämischen Schlaganfall. Dissertation Universität Göttingen.
6. Goerd C, Dr. med. (2012) Tau- und S-100b-Protein in der Differenzialdiagnose der bakteriellen Meningitis. Dissertation Universität Göttingen.
7. Greis C, Dr. med. (2012) Zur Funktion des zellulären Prion-Proteins: Eine Verhaltensstudie. Dissertation Universität Göttingen.
8. Höcht A, Dr. med. (2012) Quantifizierung der Freisetzung bakterieller DNA in Modellen experimenteller bakterieller Meningitis. Dissertation Universität Göttingen.
9. Keller C, Dr. med. (2012) Pathomechanismen der sporadischen Einschlusskörpermyositis: molekulare Interaktionen zwischen Autophagie, Zellstress und Akkumulation von β -Amyloid im Skelettmuskel. Dissertation Universität Göttingen.
10. Ostertag K, Dr. med. (2012) Analyse der Rolle des Purin-Rezeptors P2X4 in der Pathophysiologie der Amyotrophen Lateralsklerose durch vergleichende Untersuchung seiner Expression im ALS-Mausmodell und humanen Gewebe. Dissertation Universität Göttingen.
11. Peiffer S, Dr. med. (2012) 14-3-3-Isoformen im Liquor cerebrospinalis bei Patienten mit verschiedenen molekularen Subtypen der sporadischen Creutzfeldt-Jakob-Krankheit. Dissertation Universität Göttingen.
12. Scheumann S, Dr. med. (2012) Die Wirkung eines RGMa-Antikörpers im Optikusneuritis-Modell. Dissertation Universität Göttingen.
13. Weiß E, Dr. med. (2012) Analyse der Proteinexpression zur Untersuchung der physiologischen Funktion des zellulären Prionproteins (PrPc). Dissertation Universität Göttingen.
14. Wiczorek A, Dr. med. (2012) Neuropsychologische Profile bei Patienten mit Creutzfeldt-Jakob-Krankheit (CJD) und anderen Demenzen. Dissertation Universität Göttingen.

Zahnmedizinische Dissertationen

1. Ständer K, Dr. med. dent. (2012) Evaluation des Patientenbetreuungsprogramms BETAPLUS® zur begleitenden Unterstützung der Therapie mit Betaferon® (Interferon beta-1b). Dissertation Universität Göttingen.

Naturwiss. u.a. nichtmed. Diss.

1. Aggarwal S, Dr. rer. nat. (2012) Mechanisms of myelin sheath generation. Dissertation Georg-August-Universität Göttingen.
2. Bakhti M, Dr. rer. nat. (2012) Investigation of myelin membrane adhesion and compaction in the central nervous system. Dissertation Georg-August-Universität Göttingen.
3. Ghosh A, Dr. rer. nat. (2012) Genome-wide RNAi screening reveals glial phosphoethanolamine ceramide is critical for axonal ensheathment. Dissertation Georg-August-Universität Göttingen.
4. Manrique N, Dr. rer. nat. (2012) Neurodegeneration in toxin-mediated demyelinating animal models of Multiple Sclerosis. Dissertation Georg-August-Universität Göttingen.