

## Literaturverzeichnis

- [1] AUER, D ; BERG, F ; KRAFT, E ; TRENKWALDER, C ; HOLSOBOER, F : Alterations in brain metabolism after high-dose glucocorticoid therapy: A proton magnetic spectroscopy study. In: *International Society for Magnetic Resonance in Medicine. Fifth Scientific Meeting and Exhibition, Vancouver Canada* (1997), S. 407
- [2] BAKER, D ; WEST, S ; NICHOLSON, W ; EKHATOR, N ; KASCKOW, J ; HILL, K ; BRUCE, A ; ORTH, D ; GERACIOTI, T : Serial CSF corticotropin-releasing hormone levels and adrenocortical activity in combat veterans with posttraumatic stress disorder. In: *Am J Psychiatry* (1999), Nr. 4, S. 585–588
- [3] BAMBERGER, C ; SCHULTE, H ; CHROUSOS, G : Molecular determinants of glucocorticoid receptor function and tissue sensitivity to glucocorticoids. In: *Endocr Rev* (1996), Nr. 3, S. 245–261
- [4] BANKI, C ; BISSETTE, G ; ARATO, M ; O'CONNOR, L ; NEMEROFF, C : CSF corticotropin-releasing factor-like immunoreactivity in depression and schizophrenia. In: *Am J Psychiatry* (1987), Nr. 7, S. 873–877
- [5] BARTHA, R ; SEMAAN, Y ; WILLIAMSON, P ; DROST, D ; MALLA, A ; CARR, T ; DENSMORE, M ; CANARAN, G ; NEUFELD, R : A short echo proton magnetic resonance spectroscopy study of the left mesial-temporal lobe in first-onset schizophrenic patients. In: *Biol Psychiatry* (1999), Nr. 11, S. 1403–1411
- [6] BENDSZUS, M ; WEIJERS, H ; WIESBECK, G ; WARMUTH-METZ, M ; BARTSCH, AJ. ; ENGELS, S ; BONING, J ; SOLYOMSI, L: Sequential MR imaging and proton MR spectroscopy in patients who underwent recent detoxification for chronic alcoholism: correlation with clinical and neuropsychological data. In: *AJNR Am J Neuroradiol* (2001), Nr. 10, S. 1926–1932
- [7] BERRIDGE, MJ. ; IRVINE, RF.: Inositol trisphosphate, a novel second messenger in cellular signal transduction. In: *Nature* (1984), Nr. 5992, S. 315–321

## Literaturverzeichnis

---

- [8] BIRKEN, D.L. ; OLDENDORF, W.H.: N-acetyl-L-aspartic acid: a literature review of a compound prominent in  $^1\text{H}$ -NMR spectroscopic studies of brain. In: *Neurosci Biobehav Rev* (1989), Nr. 1, S. 23–31
- [9] BLOCH, F.: Nuclear Induction. In: *Physical Review* (1946), S. 460–74
- [10] BLUML, S ; ZUCKERMAN, E ; TAN, J ; ROSS, BD.: Proton-decoupled  $^{31}\text{P}$  magnetic resonance spectroscopy reveals osmotic and metabolic disturbances in human hepatic encephalopathy. In: *J Neurochem* (1998), Nr. 4, S. 1564–1576
- [11] BOTTOMLEY, PA. ; HART, HR. ; EDELSTEIN, WA. ; SCHENCK, JF. ; SMITH, LS. ; LEUE, WM. ; MUELLER, OM. ; REDINGTON, RW.: NMR imaging/spectroscopy system to study both anatomy and metabolism. In: *Lancet* (1983), Nr. 8344, S. 273–274
- [12] BRAND, A ; RICHTER-LANDSBERG, C ; LEIBFRITZ, D: Multinuclear NMR studies on the energy metabolism of glial and neuronal cells. In: *Dev Neurosci* (1993), Nr. 3-5, S. 289–298
- [13] BREMNER, D ; VERMETTEN, E ; KELLEY, ME.: Cortisol, dehydroepiandrosterone, and estradiol measured over 24 hours in women with childhood sexual abuse-related posttraumatic stress disorder. In: *J Nerv Ment Dis* (2007), Nr. 11, S. 919–927
- [14] BREMNER, JD. ; LICINIO, J ; DARNEll, A ; KRYSタル, JH. ; OWENS, MJ. ; SOUTHWICK, SM. ; NEMEROFF, CB. ; CHARNEY, DS.: Elevated CSF corticotropin-releasing factor concentrations in posttraumatic stress disorder. In: *Am J Psychiatry* (1997), Nr. 5, S. 624–629
- [15] BROWN, ES. ; WOOLSTON, D ; FROL, A ; BOBADILLA, L ; KHAN, DA. ; HANCZYC, M ; RUSH, AJ. ; FLECKENSTEIN, J. ; BABCOCK, E. ; CULLUM, C.M.: Hippocampal volume, spectroscopy, cognition, and mood in patients receiving corticosteroid therapy. In: *Biol Psychiatry* (2004), Nr. 5, S. 538–45
- [16] BRUHN, H ; FRAHM, J ; GYNGELL, ML. ; MERBOLDT, KD. ; HANICKE, W ; SAUTER, R: Cerebral metabolism in man after acute stroke: new observations using localized proton NMR spectroscopy. In: *Magn Reson Med* (1989), Nr. 1, S. 126–131

## Literaturverzeichnis

---

- [17] BRUHN, H ; FRAHM, J ; GYNGELL, ML. ; MERBOLDT, KD. ; HANICKE, W ; SAUTER, R ; HAMBURGER, C: Noninvasive differentiation of tumors with use of localized H-1 MR spectroscopy in vivo: initial experience in patients with cerebral tumors. In: *Radiology* (1989), Nr. 2, S. 541–548
- [18] BRUHN, H ; FRAHM, J ; MERBOLDT, KD. ; HANICKE, W ; HANEFELD, F ; CHRISTEN, HJ. ; KRUSE, B ; BAUER, HJ.: Multiple sclerosis in children: cerebral metabolic alterations monitored by localized proton magnetic resonance spectroscopy in vivo. In: *Ann Neurol* (1992), Nr. 2, S. 140–50
- [19] BRUHN, H ; MICHAELIS, T ; MERBOLDT, KD. ; HANICKE, W ; GYNGELL, ML. ; HAMBURGER, C ; FRAHM, J: On the interpretation of proton NMR spectra from brain tumours in vivo and in vitro. In: *NMR Biomed* (1992), Nr. 5, S. 253–258
- [20] CALLICOTT, JH. ; BERTOLINO, A ; EGAN, MF. ; MATTAY, VS. ; LANGHEIM, FJ. ; WEINBERGER, DR.: Selective relationship between prefrontal N-acetylaspartate measures and negative symptoms in schizophrenia. In: *Am J Psychiatry* (2000), Nr. 10, S. 1646–1651
- [21] CAMERON, HA. ; MCKAY, RD.: Adult neurogenesis produces a large pool of new granule cells in the dentate gyrus. In: *J Comp Neurol* (2001), Nr. 4, S. 406–417
- [22] CAMERON, HA. ; TANAPAT, P ; GOULD, E: Adrenal steroids and N-methyl-D-aspartate receptor activation regulate neurogenesis in the dentate gyrus of adult rats through a common pathway. In: *Neuroscience* (1998), Nr. 2, S. 349–354
- [23] CANNON, WB.: Bodily changes in pain, hunger, fear, and rage: an account of recent researches into the function of emotional excitement. New York Appleton and Company, 1915
- [24] CARRASCO, GA. ; KAR, LD.: Neuroendocrine pharmacology of stress. In: *Eur J Pharmacol* (2003), Nr. 1-3, S. 235–272
- [25] CARROLL, BJ. ; FEINBERG, M ; GREDEN, JF. ; TARIKA, J ; ALBALA, AA. ; HASKETT, RF. ; JAMES, NM. ; KRONFOL, Z ; LOHR, N ; STEINER, M ; VIGNE, JP. ; YOUNG, E: A specific laboratory test for the diagnosis of melancholia. Standardization, validation, and clinical utility. In: *Arch Gen Psychiatry* (1981), Nr. 1, S. 15–22

- [26] CENDES, F ; ANDERMANN, F ; DUBEAU, F ; MATTHEWS, PM. ; ARNOLD, DL.: Normalization of neuronal metabolic dysfunction after surgery for temporal lobe epilepsy. Evidence from proton MR spectroscopic imaging. In: *Neurology* (1997), Nr. 6, S. 1525–1533
- [27] CHARMANDARI, E ; TSIGOS, C ; CHROUSOS, G: Endocrinology of the stress response. In: *Annu Rev Physiol* (2005), S. 259–284
- [28] CHOI, CG. ; FRAHM, J.: Localized proton MRS of the human hippocampus: metabolite concentrations and relaxation times. In: *Magn Reson Med* (1999), Nr. 1, S. 204–7
- [29] CHUMAS, P ; CONDON, B ; OLUOCH-OLUNYA, D ; GRIFFITHS, S ; HADLEY, D ; TEASDALE, G: Early changes in peritumorous oedema and contralateral white matter after dexamethasone: a study using proton magnetic resonance spectroscopy. In: *J Neurol Neurosurg Psychiatry* (1997), Nr. 6, S. 590–595
- [30] CONE, RD. ; LU, D ; KOPPULA, S ; VAGE, DI. ; KLUNGLAND, H ; BOSTON, B ; CHEN, W ; ORTH, DN. ; POUTON, C ; KESTERSON, RA.: The melanocortin receptors: agonists, antagonists, and the hormonal control of pigmentation. In: *Recent Prog Horm Res* (1996), S. 287–317
- [31] CONRAD, CD. ; LEDOUX, JE. ; MAGARINOS, AM. ; McEWEN, BS.: Repeated restraint stress facilitates fear conditioning independently of causing hippocampal CA3 dendritic atrophy. In: *Behav Neurosci* (1999), Nr. 5, S. 902–913
- [32] CURTIS, GC. ; CAMERON, OG. ; NESSE, RM.: The dexamethasone suppression test in panic disorder and agoraphobia. In: *Am J Psychiatry* (1982), Nr. 8, S. 1043–1046
- [33] CZEH, B ; MICHAELIS, T ; WATANABE, T ; FRAHM, J ; BIURRUN, G de ; KAMPEN, M van ; BARTOLOMUCCI, A ; FUCHS, E: Stress-induced changes in cerebral metabolites, hippocampal volume, and cell proliferation are prevented by antidepressant treatment with tianeptine. In: *Proc Natl Acad Sci U S A* (2001), Nr. 22, S. 12796–12801

## Literaturverzeichnis

---

- [34] DALLMAN, MF. ; LEVIN, N ; CASCIO, CS. ; AKANA, SF. ; JACOBSON, L ; KUHN, RW.: Pharmacological evidence that the inhibition of diurnal adrenocorticotropin secretion by corticosteroids is mediated via type I corticosterone-preferring receptors. In: *Endocrinology* (1989), Nr. 6, S. 2844–2850
- [35] DAMADIAN, R ; ZANER, K ; HOR, D ; DIMAIO, T: Human tumors by NMR. In: *Physiol Chem Phys* (1973), Nr. 5, S. 381–402
- [36] DESTEFANO, N ; MATTHEWS, PM. ; ARNOLD, DL.: Reversible decreases in N-acetylaspartate after acute brain injury. In: *Magn Reson Med* (1995), Nr. 5, S. 721–727
- [37] DESTEFANO, N ; MATTHEWS, PM. ; NARAYANAN, S ; FRANCIS, GS. ; ANTEL, JP. ; ARNOLD, DL.: Axonal dysfunction and disability in a relapse of multiple sclerosis: longitudinal study of a patient. In: *Neurology* (1997), Nr. 4, S. 1138–1141
- [38] DESTEFANO, N ; FILIPPI, M: MR spectroscopy in multiple sclerosis. In: *J Neuroimaging* (2007), S. 31S–35S
- [39] DELAHANTY, DL. ; RAIMONDE, AJ. ; SPOONSTER, E. ; CULLADO, M.: Injury severity, prior trauma history, urinary cortisol levels, and acute PTSD in motor vehicle accident victims. In: *J Anxiety Disord* (2003), Nr. 2, S. 149–164
- [40] DEUSCHLE, M ; SCHWEIGER, U ; WEBER, B ; GOTTHARDT, U ; KORNER, A ; SCHMIDER, J ; STANDHARDT, H ; LAMMERS, CH. ; HEUSER, I: Diurnal activity and pulsatility of the hypothalamus-pituitary-adrenal system in male depressed patients and healthy controls. In: *J Clin Endocrinol Metab* (1997), Nr. 1, S. 234–238
- [41] DIAMOND, DM. ; BENNETT, MC. ; FLESHNER, M ; ROSE, GM.: Inverted-U relationship between the level of peripheral corticosterone and the magnitude of hippocampal primed burst potentiation. In: *Hippocampus* (1992), Nr. 4, S. 421–430
- [42] DUBROVSKY, BO. ; LIQUORNIK, MS. ; NOBLE, P ; GIJSBERS, K: Effects of 5 alpha-dihydrocorticosterone on evoked responses and long-term potentiation. In: *Brain Res Bull* (1987), Nr. 6, S. 635–638

## Literaturverzeichnis

---

- [43] EDWARDS, CR. ; STEWART, PM. ; BURT, D ; BRETT, L ; MCINTYRE, MA. ; SUTANTO, WS. ; KLOET, ER. ; MONDER, C: Localisation of 11 beta-hydroxysteroid dehydrogenase—tissue specific protector of the mineralocorticoid receptor. In: *Lancet* (1988), Nr. 8618, S. 986–989
- [44] ENDE, G ; BRAUS, DF. ; WALTER, S ; WEBER-FAHR, W ; SOHER, B ; MAUDSLEY, AA. ; HENN, FA.: Effects of age, medication, and illness duration on the N-acetyl aspartate signal of the anterior cingulate region in schizophrenia. In: *Schizophr Res* (2000), Nr. 3, S. 389–395
- [45] ERHARDT, A. ; ISING, M. ; UNSCHULD, P. ; KERN, N. ; LUCAE, S. ; PUTZ, B. ; UHR, M. ; BINDER, EB. ; HOLSOBER, F. ; KECK, ME.: Regulation of the hypothalamic-pituitary-adrenocortical system in patients with panic disorder. In: *Neuropsychopharmacology* (2006), Nr. 11, S. 2515–2522
- [46] FELDMAN, D ; FUNDER, JW.: The binding of 18-hydroxydeoxycorticosterone and 18-hydroxycorticosterone to mineralocorticoid and glucocorticoid receptors in the rat kidney. In: *Endocrinology* (1973), Nr. 5, S. 1389–1396
- [47] FOSSEY, MD. ; LYDIARD, RB. ; BALLENGER, JC. ; LARAIA, MT. ; BISSETTE, G ; NEMEROFF, CB.: Cerebrospinal fluid corticotropin-releasing factor concentrations in patients with anxiety disorders and normal comparison subjects. In: *Biol Psychiatry* (1996), Nr. 8, S. 703–707
- [48] FRAHM, J ; BRUHN, H ; GYNGELL, ML. ; MERBOLDT, KD. ; HANICKE, W ; SAUTER, R: Localized proton NMR spectroscopy in different regions of the human brain in vivo. Relaxation times and concentrations of cerebral metabolites. In: *Magn Reson Med* (1989), Nr. 1, S. 47–63
- [49] FRAHM, J ; BRUHN, H ; MICHAELIS, T ; MERBOLDT, KD. ; HANICKE, W ; GYNGELL, ML.: Localized proton MR spectroscopy. A non-invasive insight into brain metabolism. In: *Radiologe* (1991), Nr. 11, S. 558–566
- [50] FRAHM, J ; MICHAELIS, T ; MERBOLDT, KD. ; HANICKE, W ; GYNGELL, ML. ; BRUHN, H: On the N-acetyl methyl resonance in localized  $^1\text{H}$  NMR spectra of human brain in vivo. In: *NMR Biomed* (1991), Nr. 4, S. 201–204

## Literaturverzeichnis

---

- [51] FUCHS, E ; UNO, H ; FLUGGE, G: Chronic psychosocial stress induces morphological alterations in hippocampal pyramidal neurons of the tree shrew. In: *Brain Res* (1995), Nr. 2, S. 275–282
- [52] GILLIES, GE. ; LINTON, EA. ; LOWRY, PJ.: Corticotropin releasing activity of the new CRF is potentiated several times by vasopressin. In: *Nature* (1982), Sep, Nr. 5881, S. 355–357
- [53] GIMENEZ, M. ; JUNQUE, C. ; PEREZ, M. ; VENDRELL, P. ; BAEZA, I. ; SALAMERO, M. ; MERCADER, JM. ; BERNARDO, M.: Basal ganglia N-acetylaspartate correlates with the performance in the procedural task 'Tower of Hanoi' of neuroleptic-naïve schizophrenic patients. In: *Neurosci Lett* (2003), Nr. 2, S. 97–100
- [54] GOLD, PW. ; CHROUSOS, G ; KELLNER, C ; POST, R ; ROY, A ; AUGERINOS, P ; SCHULTE, H ; OLDFIELD, E ; LORIAUX, DL.: Psychiatric implications of basic and clinical studies with corticotropin-releasing factor. In: *Am J Psychiatry* (1984), Nr. 5, S. 619–627
- [55] GOLD, PW. ; CHROUSOS, GP.: Clinical studies with corticotropin releasing factor: implications for the diagnosis and pathophysiology of depression, Cushing's disease, and adrenal insufficiency. In: *Psychoneuroendocrinology* (1985), Nr. 4, S. 401–419
- [56] GUAZZO, EP. ; KIRKPATRICK, PJ. ; GOODYER, IM. ; SHIERS, HM. ; HERBERT, J: DHEA and DHEA-sulfate in the cerebrospinal fluid of man: relation to blood levels and the effects of age. In: *J Clin Endocrinol Metab* (1996), Nr. 11, S. 3951–3960
- [57] HAUSSINGER, D ; LAUBENBERGER, J ; DAHL, S vom ; ERNST, T ; BAYER, S ; LANGER, M ; GEROK, W ; HENNIG, J: Proton magnetic resonance spectroscopy studies on human brain myo-inositol in hypo-osmolarity and hepatic encephalopathy. In: *Gastroenterology* (1994), Nr. 5, S. 1475–1480
- [58] HAYASHI, Ryuji ; WADA, Hiroo ; ITO, Kazuhiro ; ADCOCK, IanM.: Effects of glucocorticoids on gene transcription. In: *Eur J Pharmacol* (2004), Nr. 1-3, S. 51–62

## Literaturverzeichnis

---

- [59] HERBERT, J ; GOODYER, IM. ; GROSSMAN, AB. ; HASTINGS, MH. ; KLOET, ER. ; LIGHTMAN, SL. ; LUPIEN, SJ. ; ROOZENDAAL, B ; SECKL, JR.: Do corticosteroids damage the brain? In: *J Neuroendocrinol* (2006), Nr. 6, S. 393–411
- [60] HERMAN, JP. ; CULLINAN, WE.: Neurocircuitry of stress: central control of the hypothalamo-pituitary-adrenocortical axis. In: *Trends Neurosci* (1997), Nr. 2, S. 78–84
- [61] HERMAN, JP. ; OSTRANDER, MM. ; MUELLER, NK. ; FIGUEIREDO, H.: Limbic system mechanisms of stress regulation: hypothalamo-pituitary-adrenocortical axis. In: *Prog Neuropsychopharmacol Biol Psychiatry* (2005), Nr. 8, S. 1201–1213
- [62] HERMINGHAUS, S. ; PILATUS, U. ; MOLLER-HARTMANN, W. ; RAAB, P. ; LANFERMANN, H. ; SCHLOTE, W. ; ZANELLA, FE.: Increased choline levels coincide with enhanced proliferative activity of human neuroepithelial brain tumors. In: *NMR Biomed* (2002), Nr. 6, S. 385–392
- [63] HEUSER, IJ. ; SCHWEIGER, U ; GOTTHARDT, U ; SCHMIDER, J ; LAMMERS, CH. ; DETTLING, M ; YASSOURIDIS, A ; HOLSBOER, F: Pituitary-adrenal-system regulation and psychopathology during amitriptyline treatment in elderly depressed patients and normal comparison subjects. In: *Am J Psychiatry* (1996), Nr. 1, S. 93–99
- [64] HOLMES, MC. ; SECKL, JR.: The role of 11beta-hydroxysteroid dehydrogenases in the brain. In: *Mol Cell Endocrinol* (2006), Nr. 1-2, S. 9–14
- [65] HOLSBOER, F: Implications of altered limbic-hypothalamic-pituitary-adrenocortical (LHPA)-function for neurobiology of depression. In: *Acta Psychiatr Scand Suppl* (1988), S. 72–111
- [66] HOLSBOER, F: Psychiatric implications of altered limbic-hypothalamic-pituitary-adrenocortical activity. In: *Eur Arch Psychiatry Neurol Sci* (1989), Nr. 5-6, S. 302–322
- [67] HOLSBOER, F: The corticosteroid receptor hypothesis of depression. In: *Neuropsychopharmacology* (2000), Nr. 5, S. 477–501

## Literaturverzeichnis

---

- [68] HOLSBOER, F ; BARDELEBEN, U von ; BULLER, R ; HEUSER, I ; STEIGER, A: CRH in patients with depression, alcoholism and panic disorder. In: *Horm Metab Res Suppl* (1987), S. 80–88
- [69] HOLSBOER, F ; GRASSER, A ; FRIESS, E ; WIEDEMANN, K: Steroid effects on central neurons and implications for psychiatric and neurological disorders. In: *Ann N Y Acad Sci* (1994), S. 345–359
- [70] IMAMURA, K.: Proton MR spectroscopy of the brain with a focus on chemical issues. In: *Magn Reson Med Sci* (2003), Nr. 3, S. 117–32
- [71] JACOBSON, L ; SAPOLSKY, R: The role of the hippocampus in feedback regulation of the hypothalamic-pituitary-adrenocortical axis. In: *Endocr Rev* (1991), Nr. 2, S. 118–134
- [72] JAGANNATHAN, NR. ; DESAI, NG. ; RAGHUNATHAN, P: Brain metabolite changes in alcoholism: an in vivo proton magnetic resonance spectroscopy (MRS) study. In: *Magn Reson Imaging* (1996), Nr. 5, S. 553–557
- [73] JANSEN, J. ; BACKES, WH. ; NICOLAY, K. ; KOOI, ME.: 1H MR spectroscopy of the brain: absolute quantification of metabolites. In: *Radiology* (2006), Nr. 2, S. 318–32
- [74] JOLKKONEN, J. ; LEPOLA, U. ; BISSETTE, G. ; NEMEROFF, C. ; RIEKKINEN, P.: CSF corticotropin-releasing factor is not affected in panic disorder. In: *Biol Psychiatry* (1993), Nr. 2, S. 136–138
- [75] KANTARCI, K ; PETERSEN, RC. ; BOEVE, BF. ; KNOPMAN, DS. ; TANG-WAI, DF. ; O'BRIEN, PC. ; WEIGAND, SD. ; EDLAND, SD. ; SMITH, GE. ; IVNIK, RJ. ; FERMAN, TJ. ; TANGALOS, EG. ; JACK, C.: 1H MR spectroscopy in common dementias. In: *Neurology* (2004), Nr. 8, S. 1393–1398
- [76] KAR, LD. ; BLAIR, ML.: Forebrain pathways mediating stress-induced hormone secretion. In: *Front Neuroendocrinol* (1999), Nr. 1, S. 1–48
- [77] KARSSEN, AM. ; MEIJER, OC. ; SANDT, IC.d. ; LUCASSEN, PJ. ; LANGE, EC. ; BOER, AG. ; KLOET, ER.: Multidrug resistance P-glycoprotein hampers the access

## Literaturverzeichnis

---

- of cortisol but not of corticosterone to mouse and human brain. In: *Endocrinology* (2001), Nr. 6, S. 2686–2694
- [78] KATHOL, RG. ; NOYES, R.J. ; LOPEZ, AL. ; REICH, JH.: Relationship of urinary free cortisol levels in patients with panic disorder to symptoms of depression and agoraphobia. In: *Psychiatry Res* (1988), Nr. 2, S. 211–221
- [79] KELLNER, M ; YEHUDA, R: Do panic disorder and posttraumatic stress disorder share a common psychoneuroendocrinology? In: *Psychoneuroendocrinology* (1999), Nr. 5, S. 485–504
- [80] KHIAT, A. ; BARD, C. ; LACROIX, A. ; BOULANGER, Y.: Recovery of the brain choline level in treated Cushing's patients as monitored by proton magnetic resonance spectroscopy. In: *Brain Res* (2000), 4, Nr. 1-2, S. 301–7
- [81] KHIAT, A. ; BARD, C. ; LACROIX, A. ; ROUSSEAU, J. ; BOULANGER, Y.: Brain metabolic alterations in Cushing's syndrome as monitored by proton magnetic resonance spectroscopy. In: *NMR Biomed* (1999), 10, Nr. 6, S. 357–63
- [82] KHIAT, A ; YARED, Z ; BARD, C ; LACROIX, A ; BOULANGER, Y: Long-term brain metabolic alterations in exogenous Cushing's syndrome as monitored by proton magnetic resonance spectroscopy. In: *Brain Res* (2001), Nr. 2, S. 134–140
- [83] KIRSCHBAUM, C ; WOLF, OT. ; MAY, M ; WIPPICH, W ; HELLHAMMER, DH.: Stress- and treatment-induced elevations of cortisol levels associated with impaired declarative memory in healthy adults. In: *Life Sci* (1996), Nr. 17, S. 1475–1483
- [84] KNIZLEY, HJ.: The enzymatic synthesis of N-acetyl-L-aspartic acid by a water-insoluble preparation of a cat brain acetone powder. In: *J Biol Chem* (1967), Nr. 20, S. 4619–4622
- [85] KREIS, R ; ROSS, BD. ; FARROW, NA. ; ACKERMAN, Z: Metabolic disorders of the brain in chronic hepatic encephalopathy detected with H-1 MR spectroscopy. In: *Radiology* (1992), Nr. 1, S. 19–27
- [86] KREIS, R.: Issues of spectral quality in clinical 1H-magnetic resonance spectroscopy and a gallery of artifacts. In: *NMR Biomed* (2004), Nr. 6, S. 361–81

## Literaturverzeichnis

---

- [87] KRESGE, N. ; SIMONI, RD. ; HILL, RL.: The Isolation of Adrenocorticotrophic Hormone by Three Pioneers in Molecular Endocrinology: Choh Hao Li, Abraham White, and Cyril Norman Hugh Long. In: *J. Biol. Chem.* (2005), Nr. 3
- [88] KUGEL, H ; HEINDEL, W ; ERNESTUS, RI. ; BUNKE, J ; MESNIL, R du ; FRIEDMANN, G: Human brain tumors: spectral patterns detected with localized H-1 MR spectroscopy. In: *Radiology* (1992), Nr. 3, S. 701–709
- [89] LANDFIELD, PW. ; ELDRIDGE, JC.: The glucocorticoid hypothesis of brain aging and neurodegeneration: recent modifications. In: *Acta Endocrinol* (1991), S. 54–64
- [90] LANDFIELD, PW. ; MCEWAN, BS. ; SAPOLSKY, RM. ; MEANEY, MJ.: Hippocampal cell death. In: *Science* (1996), Nr. 5266, S. 1249–1251
- [91] LAUTERBUR, PC.: Image Formation by Induced Local Interactions: Examples Employing Nuclear Magnetic Resonance. In: *Nature* (1973), März, S. 190–191
- [92] LEE, MA. ; BLAMIRE, AM. ; PENDLEBURY, S ; HO, KH. ; MILLS, KR. ; STYLES, P ; PALACE, J ; MATTHEWS, PM.: Axonal injury or loss in the internal capsule and motor impairment in multiple sclerosis. In: *Arch Neurol* (2000), Nr. 1, S. 65–70
- [93] LOFFLER, G ; PETRIDES, PE.: Biochemie und Pathobiochemie Springer, 1998
- [94] LUPIEN, SJ. ; GILLIN, CJ. ; HAUGER, RL.: Working memory is more sensitive than declarative memory to the acute effects of corticosteroids: a dose-response study in humans. In: *Behav Neurosci* (1999), Nr. 3, S. 420–430
- [95] MAGARINOS, AM. ; MCEWEN, BS.: Stress-induced atrophy of apical dendrites of hippocampal CA3 neurons: involvement of glucocorticoid secretion and excitatory amino acid receptors. In: *Neuroscience* (1995), Nr. 1, S. 89–98
- [96] MAGARINOS, AM. ; MCEWEN, BS. ; FLUGGE, G ; FUCHS, E: Chronic psychosocial stress causes apical dendritic atrophy of hippocampal CA3 pyramidal neurons in subordinate tree shrews. In: *J Neurosci* (1996), Nr. 10, S. 3534–3540
- [97] MAGARINOS, AM. ; ORCHINIK, M ; MCEWEN, BS.: Morphological changes in the hippocampal CA3 region induced by non-invasive glucocorticoid administration: a paradox. In: *Brain Res* (1998), Nr. 2, S. 314–318

## Literaturverzeichnis

---

- [98] MANSFIELD, P ; MAUDSLEY, AA.: Medical imaging by NMR. In: *Br J Radiol* (1977), Nr. 591, S. 188–194
- [99] MARTINEZ-BISBAL, MC. ; ARANA, E ; MARTI-BONMATI, L ; MOLLA, E ; CELDA, B: Cognitive impairment: classification by <sup>1</sup>H magnetic resonance spectroscopy. In: *Eur J Neurol* (2004), Nr. 3, S. 187–193
- [100] MAYR, GeorgW.: Inositol Phosphates: Structural Components, Regulators and Signal Transducers of the Cell – a Review. In: *Topics in Biochemistry* (1991), S. 1–18
- [101] McEWEN, BS. ; CHATTARJI, S.: Molecular mechanisms of neuroplasticity and pharmacological implications: the example of tianeptine. In: *Eur Neuropsychopharmacol* (2004), S. S497–502
- [102] McKITTRICK, CR. ; MAGARINOS, AM. ; BLANCHARD, DC. ; BLANCHARD, RJ. ; McEWEN, BS. ; SAKAI, RR.: Chronic social stress reduces dendritic arbors in CA3 of hippocampus and decreases binding to serotonin transporter sites. In: *Synapse* (2000), Nr. 2, S. 85–94
- [103] MEIJER, OC. ; LANGE, EC. ; BREIMER, DD. ; BOER, AG. ; WORKEL, JO. ; KLOET, ER.: Penetration of dexamethasone into brain glucocorticoid targets is enhanced in mdr1A P-glycoprotein knockout mice. In: *Endocrinology* (1998), Nr. 4, S. 1789–1793
- [104] MICHAELIS, T. ; BIURRUN, G. de ; WATANABE, T. ; FRAHM, J. ; OHL, F. ; FUCHS, E.: Gender-specific alterations of cerebral metabolites with aging and cortisol treatment. In: *J Psychiatr Res* (2001), Nr. 4, S. 231–7
- [105] MICHAELIS, T ; HELMS, G ; MERBOLDT, KD. ; HANICKE, W ; BRUHN, H ; FRAHM, J: Identification of Scyllo-inositol in proton NMR spectra of human brain in vivo. In: *NMR Biomed* (1993), Nr. 1, S. 105–109
- [106] MICHAELIS, T ; MERBOLDT, KD. ; BRUHN, H ; HANICKE, W ; FRAHM, J: Absolute concentrations of metabolites in the adult human brain in vivo: quantification of localized proton MR spectra. In: *Radiology* (1993), Nr. 1, S. 219–227

## Literaturverzeichnis

---

- [107] MICHAELIS, T ; MERBOLDT, KD. ; HANICKE, W ; GYNGELL, ML. ; BRUHN, H ; FRAHM, J: On the identification of cerebral metabolites in localized  $^1\text{H}$  NMR spectra of human brain in vivo. In: *NMR Biomed* (1991), Nr. 2, S. 90–98
- [108] MODELL, S ; YASSOURIDIS, A ; HUBER, J ; HOLSBØR, F: Corticosteroid receptor function is decreased in depressed patients. In: *Neuroendocrinology* (1997), Nr. 3, S. 216–222
- [109] MOORE, GJ. ; BEBCHUK, JM. ; HASANAT, K ; CHEN, G ; SERAJI-BOZORGZAD, N ; WILDS, IB. ; FAULK, MW. ; KOCH, S ; GLITZ, DA. ; JOLKOVSKY, L ; MANJI, HK.: Lithium increases N-acetyl-aspartate in the human brain: in vivo evidence in support of bcl-2's neurotrophic effects? In: *Biol Psychiatry* (2000), Nr. 1, S. 1–8
- [110] MOORE, GJ. ; BEBCHUK, JM. ; WILDS, IB. ; CHEN, G ; MANJI, HK.: Lithium-induced increase in human brain grey matter. In: *Lancet* (2000), Nr. 9237, S. 1241–1242
- [111] MUHTZ, C ; WESTER, M ; YASSOURIDIS, A ; WIEDEMANN, K ; KELLNER, M: A combined dexamethasone/corticotropin-releasing hormone test in patients with chronic PTSD - First preliminary results. In: *J Psychiatr Res* (2007)
- [112] MULLINS, PG. ; ROWLAND, L. ; BUSTILLO, J. ; BEDRICK, EJ. ; LAURIELLO, J. ; BROOKS, WM.: Reproducibility of  $^1\text{H}$ -MRS measurements in schizophrenic patients. In: *Magn Reson Med* (2003), Nr. 4, S. 704–7
- [113] NEMEROFF, CB. ; WIDERLOV, E ; BISSETTE, G ; WALLEUS, H ; KARLSSON, I ; EKLUND, K ; KILTS, CD. ; LOOSEN, PT. ; VALE, W: Elevated concentrations of CSF corticotropin-releasing factor-like immunoreactivity in depressed patients. In: *Science* (1984), Nr. 4680, S. 1342–1344
- [114] NEWCOMER, JW. ; SELKE, G ; MELSON, AK. ; HERSHY, T ; CRAFT, S ; RICHARDS, K ; ALDERSON, AL.: Decreased memory performance in healthy humans induced by stress-level cortisol treatment. In: *Arch Gen Psychiatry* (1999), Nr. 6, S. 527–533
- [115] OCKENFELS, H: Morphological alterations in the diencephalon and telencephalon following disturbances to the feedback mechanism adenohypophysis-adrenal cor-

## Literaturverzeichnis

---

- tex. Studies on the guinea pig after administration of cortisone and hydrocortisone. In: *Z Zellforsch Mikrosk Anat* (1969), Nr. 1, S. 126–141
- [116] OLDFIELD, R.C.: The assessment and analysis of handedness: the Edinburgh inventory. In: *Neuropsychologia* (1971), Nr. 1, S. 97–113
- [117] PARKS, MH. ; DAWANT, BM. ; RIDDLE, WR. ; HARTMANN, SL. ; DIETRICH, MS. ; NICKEL, MK. ; PRICE, RR. ; MARTIN, PR.: Longitudinal brain metabolic characterization of chronic alcoholics with proton magnetic resonance spectroscopy. In: *Alcohol Clin Exp Res* (2002), Nr. 9, S. 1368–1380
- [118] POSER, S ; LUER, W ; BRUHN, H ; FRAHM, J ; BRUCK, Y ; FELGENHAUER, K: Acute demyelinating disease. Classification and non-invasive diagnosis. In: *Acta Neurol Scand* (1992), Nr. 6, S. 579–585
- [119] POUWELS, P.J. ; FRAHM, J: Differential distribution of NAA and NAAG in human brain as determined by quantitative localized proton MRS. In: *NMR Biomed* (1997), Nr. 2, S. 73–78
- [120] POUWELS, P.J. ; FRAHM, J.: Regional metabolite concentrations in human brain as determined by quantitative localized proton MRS. In: *Magn Reson Med* (1998), 1, Nr. 1, S. 53–60
- [121] PRETORIUS, E ; MARX, J: Direct and indirect effects of corticosteroids on astrocyte function. In: *Rev Neurosci* (2004), Nr. 3, S. 199–207
- [122] PROVENCHER, SW.: Estimation of metabolite concentrations from localized in vivo proton NMR spectra. In: *Magn Reson Med* (1993), Nr. 6, S. 672–679
- [123] PURCELL, E.M. ; TORREY, H.C. ; POUND, R.V.: Resonance Absorption by Nuclear Magnetic Moments in a Solid. In: *Physical Review* (1946), S. 37–38
- [124] QUERVAIN, D. : Glucocorticoid-induced inhibition of memory retrieval: implications for posttraumatic stress disorder. In: *Ann N Y Acad Sci* (2006), S. 216–220
- [125] R DEVELOPMENT CORE TEAM: *R: A Language and Environment for Statistical Computing*. Vienna, Austria: R Foundation for Statistical Computing, 2006

## Literaturverzeichnis

---

- [126] RABI, II. ; ZACHARIAS, JR. ; MILLMAN, S ; KUSCH, P: Milestones in magnetic resonance: 'a new method of measuring nuclear magnetic moment' . 1938. In: *J Magn Reson Imaging* (1992), Nr. 2, S. 131–133
- [127] RADLEY, J. ; ROCHER, AB. ; MILLER, M. ; JANSSEN, W. ; LISTON, C. ; HOF, PR. ; MC EWEN, BS. ; MORRISON, JH.: Repeated stress induces dendritic spine loss in the rat medial prefrontal cortex. In: *Cereb Cortex* (2006), Nr. 3, S. 313–320
- [128] REUL, JM. ; KLOET, ER.: Two receptor systems for corticosterone in rat brain: microdistribution and differential occupation. In: *Endocrinology* (1985), Nr. 6, S. 2505–2511
- [129] REUL, JM. ; KLOET, ER.: Anatomical resolution of two types of corticosterone receptor sites in rat brain with in vitro autoradiography and computerized image analysis. In: *J Steroid Biochem* (1986), Nr. 1, S. 269–272
- [130] RISBROUGH, VB. ; STEIN, MB.: Role of corticotropin releasing factor in anxiety disorders: a translational research perspective. In: *Horm Behav* (2006), Nr. 4, S. 550–561
- [131] RIVIER, C ; VALE, W: Modulation of stress-induced ACTH release by corticotropin-releasing factor, catecholamines and vasopressin. In: *Nature* (1983), Sep, Nr. 5932, S. 325–327
- [132] ROBSON, AC. ; LECKIE, CM. ; SECKL, JR. ; HOLMES, MC.: 11 Beta-hydroxysteroid dehydrogenase type 2 in the postnatal and adult rat brain. In: *Brain Res Mol Brain Res* (1998), Nr. 1-2, S. 1–10
- [133] ROOZENDAAL, B ; OKUDA, S ; QUERVAIN, D J-F de ; McGAUGH, JL.: Glucocorticoids interact with emotion-induced noradrenergic activation in influencing different memory functions. In: *Neuroscience* (2006), Nr. 3, S. 901–910
- [134] ROOZENDAAL, B ; MCREYNOLDS, JR. ; McGAUGH, JL.: The basolateral amygdala interacts with the medial prefrontal cortex in regulating glucocorticoid effects on working memory impairment. In: *J Neurosci* (2004), Nr. 6, S. 1385–1392
- [135] ROSS, B. ; BLUML, S.: Magnetic resonance spectroscopy of the human brain. In: *Anat Rec* (2001), 4, Nr. 2, S. 54–84

## Literaturverzeichnis

---

- [136] Ross, BD. ; BLUML, S ; COWAN, R ; DANIELSEN, E ; FARROW, N ; TAN, J: In vivo MR spectroscopy of human dementia. In: *Neuroimaging Clin N Am* (1998), Nr. 4, S. 809–822
- [137] RUBIN, RT. ; PHILLIPS, JJ. ; SADOW, TF. ; MCCRACKEN, JT.: Adrenal gland volume in major depression. Increase during the depressive episode and decrease with successful treatment. In: *Arch Gen Psychiatry* (1995), Nr. 3, S. 213–218
- [138] RUTGERS, DR. ; KLIJN, CJ. ; KAPPELLE, LJ. ; GROND, J.: Cerebral metabolic changes in patients with a symptomatic occlusion of the internal carotid artery: a longitudinal <sup>1</sup>H magnetic resonance spectroscopy study. In: *J Magn Reson Imaging* (2000), Nr. 3, S. 279–286
- [139] SALIBI, NM. ; BROWN, MA.: Clinical MR spectroscopy – First principles. Wiley-Liss, 1998
- [140] SANDEEP, TC. ; YAU, J. ; MACLULLICH, A. ; NOBLE, J. ; DEARY, IJ. ; WALKER, BR. ; SECKL, JR.: 11Beta-hydroxysteroid dehydrogenase inhibition improves cognitive function in healthy elderly men and type 2 diabetics. In: *Proc Natl Acad Sci U S A* (2004), Nr. 17, S. 6734–6739
- [141] SAPOLSKY, RM.: Glucocorticoid toxicity in the hippocampus. Temporal aspects of synergy with kainic acid. In: *Neuroendocrinology* (1986), Nr. 3, S. 440–444
- [142] SAPOLSKY, RM. ; KREY, LC. ; MCEWEN, BS.: The neuroendocrinology of stress and aging: the glucocorticoid cascade hypothesis. In: *Endocr Rev* (1986), Nr. 3, S. 284–301
- [143] SCHELLING, G. ; ROOZENDAAL, B. ; KRAUSENECK, T. ; SCHMOELZ, M. ; QUERVAIN, D. ; BRIEGEL, J.: Efficacy of hydrocortisone in preventing posttraumatic stress disorder following critical illness and major surgery. In: *Ann N Y Acad Sci* (2006), S. 46–53
- [144] SCHMIDT, KH, METZLER, P.: *Wortschatztest (WST)* Beltz Test 1992
- [145] SCHREIBER, W ; LAUER, CJ. ; KRUMREY, K ; HOLSBOER, F ; KRIEG, JC.: Dysregulation of the hypothalamic-pituitary-adrenocortical system in panic disorder. In: *Neuropsychopharmacology* (1996), Nr. 1, S. 7–15

## Literaturverzeichnis

---

- [146] SCHUFF, N ; CAPIZZANO, AA. ; DU, AT. ; AMEND, DL. ; O'NEILL, J ; NORMAN, D ; KRAMER, J ; JAGUST, W ; MILLER, B ; WOLKOWITZ, OM. ; YAFFE, K ; WEINER, MW.: Selective reduction of N-acetylaspartate in medial temporal and parietal lobes in AD. In: *Neurology* (2002), Nr. 6, S. 928–935
- [147] SCHUFF, N ; MEYERHOFF, DJ. ; MUELLER, S. ; CHAO, L. ; SACREY, DT. ; LAXER, K. ; WEINER, MW.: N-acetylaspartate as a marker of neuronal injury in neurodegenerative disease. In: *Adv Exp Med Biol* (2006), S. 241–62
- [148] SELYE, Hans: The stress of life New York McGraw-Hill, 1956
- [149] SHEEHAN, DV. ; LECRUBIER, Y ; SHEEHAN, KH. ; AMORIM, P ; JANAVS, J ; WEILLER, E ; HERGUETA, T ; BAKER, R ; DUNBAR, GC.: M.I.N.I. – The development and validation of a structured diagnostic psychiatric interview for DSM-IV and ICD-10. In: *J Clin Psychiatry* (1998), S. 22–33
- [150] SIMMONS, ML. ; FRONDOZA, CG. ; COYLE, JT.: Immunocytochemical localization of N-acetyl-aspartate with monoclonal antibodies. In: *Neuroscience* (1991), Nr. 1, S. 37–45
- [151] SIMPSON, ER. ; WATERMAN, MR.: Regulation of the synthesis of steroidogenic enzymes in adrenal cortical cells by ACTH. In: *Annu Rev Physiol* (1988), S. 427–440
- [152] SMITH, DF. ; TOFT, DO.: Steroid receptors and their associated proteins. In: *Mol Endocrinol* (1993), Nr. 1, S. 4–11
- [153] SMITH, SM. ; VALE, WW.: The role of the hypothalamic-pituitary-adrenal axis in neuroendocrine responses to stress. In: *Dialogues Clin Neurosci* (2006), Nr. 4, S. 383–395
- [154] SOUSA, N ; LUKOYANOV, NV. ; MADEIRA, MD. ; ALMEIDA, OF. ; PAULA-BARBOSA, MM.: Reorganization of the morphology of hippocampal neurites and synapses after stress-induced damage correlates with behavioral improvement. In: *Neuroscience* (2000), Nr. 2, S. 253–266
- [155] STARKMAN, MN. ; GEBARSKI, SS. ; BERENT, S ; SCHTEINGART, DE.: Hippocampal formation volume, memory dysfunction, and cortisol levels in patients with Cushing's syndrome. In: *Biol Psychiatry* (1992), Nr. 9, S. 756–765

## Literaturverzeichnis

---

- [156] STARKMAN, MN. ; GIORDANI, B ; BERENT, S ; SCHORK, MA. ; SCHTEINGART, DE.: Elevated cortisol levels in Cushing's disease are associated with cognitive decrements. In: *Psychosom Med* (2001), Nr. 6, S. 985–993
- [157] STARKMAN, MN. ; GIORDANI, B ; GEBARSKI, SS. ; BERENT, S ; SCHORK, MA. ; SCHTEINGART, DE.: Decrease in cortisol reverses human hippocampal atrophy following treatment of Cushing's disease. In: *Biol Psychiatry* (1999), Nr. 12, S. 1595–1602
- [158] STARKMAN, MN. ; SCHTEINGART, DE.: Neuropsychiatric manifestations of patients with Cushing's syndrome. Relationship to cortisol and adrenocorticotropic hormone levels. In: *Arch Intern Med* (1981), Nr. 2, S. 215–219
- [159] STARKMAN, MN. ; GIORDANI, B. ; GEBARSKI, SS. ; SCHTEINGART, DE.: Improvement in learning associated with increase in hippocampal formation volume. In: *Biol Psychiatry* (2003), Nr. 3, S. 233–238
- [160] STOPPE, G ; BRUHN, H ; POUWELS, PJ. ; HANICKE, W ; FRAHM, J: Alzheimer disease: absolute quantification of cerebral metabolites in vivo using localized proton magnetic resonance spectroscopy. In: *Alzheimer Dis Assoc Disord* (2000), Nr. 2, S. 112–9
- [161] STRÖHLE, A ; HOLSBOER, F: Stress responsive neurohormones in depression and anxiety. In: *Pharmacopsychiatry* (2003), Nov, S. 207–214
- [162] STROMBERG, J ; BACKSTROM, T ; LUNDGREN, P: Rapid non-genomic effect of glucocorticoid metabolites and neurosteroids on the gamma-aminobutyric acid-A receptor. In: *Eur J Neurosci* (2005), Nr. 8, S. 2083–2088
- [163] SWAAB, DF. ; BAO, AM. ; LUCASSEN, PJ.: The stress system in the human brain in depression and neurodegeneration. In: *Ageing Res Rev* (2005), May, Nr. 2, S. 141–194
- [164] TALLAN, HH.: Studies on the distribution of N-acetyl-L-aspartic acid in brain. In: *J Biol Chem* (1957), Nr. 1, S. 41–45
- [165] TAYLOR, JuneS.: The trouble with spectroscopy papers, 15 years later. In: *NMR Biomed* (2006), Nr. 4, S. 409–410

## Literaturverzeichnis

---

- [166] TOMBAUGH, GC. ; SAPOLSKY, RM.: Corticosterone accelerates hypoxia- and cyanide-induced ATP loss in cultured hippocampal astrocytes. In: *Brain Res* (1992), Nr. 1, S. 154–158
- [167] URENJAK, J ; WILLIAMS, SR. ; GADIAN, DG. ; NOBLE, M: Specific expression of N-acetylaspartate in neurons, oligodendrocyte-type-2 astrocyte progenitors, and immature oligodendrocytes in vitro. In: *J Neurochem* (1992), Nr. 1, S. 55–61
- [168] URENJAK, J ; WILLIAMS, SR. ; GADIAN, DG. ; NOBLE, M: Proton nuclear magnetic resonance spectroscopy unambiguously identifies different neural cell types. In: *J Neurosci* (1993), Nr. 3, S. 981–989
- [169] VALE, W ; SPIESS, J ; RIVIER, C ; RIVIER, J: Characterization of a 41-residue ovine hypothalamic peptide that stimulates secretion of corticotropin and beta-endorphin. In: *Science* (1981), Sep, Nr. 4514, S. 1394–1397
- [170] VALENZUELA, MJ. ; SACHDEV, P: Magnetic resonance spectroscopy in AD. In: *Neurology* (2001), Nr. 5, S. 592–598
- [171] VENKATESH, SK. ; GUPTA, RK. ; PAL, L ; HUSAIN, N ; HUSAIN, M: Spectroscopic increase in choline signal is a nonspecific marker for differentiation of infective/inflammatory from neoplastic lesions of the brain. In: *J Magn Reson Imaging* (2001), Nr. 1, S. 8–15
- [172] VIDEEN, JS. ; MICHAELIS, T ; PINTO, P ; ROSS, BD.: Human cerebral osmolytes during chronic hyponatremia. A proton magnetic resonance spectroscopy study. In: *J Clin Invest* (1995), Nr. 2, S. 788–793
- [173] VYAS, A. ; MITRA, R. ; SHANKARANARAYANA RAO, BS. ; CHATTARJI, S.: Chronic stress induces contrasting patterns of dendritic remodeling in hippocampal and amygdaloid neurons. In: *J Neurosci* (2002), Nr. 15, S. 6810–6818
- [174] WATANABE, Y ; GOULD, E ; MCEWEN, BS.: Stress induces atrophy of apical dendrites of hippocampal CA3 pyramidal neurons. In: *Brain Res* (1992), Nr. 2, S. 341–345
- [175] WEITZMAN, ED. ; FUKUSHIMA, D ; NOGEIRE, C ; ROFFWARG, H ; GALLAGHER, TF. ; HELLMAN, L: Twenty-four hour pattern of the episodic secretion of cortisol in normal subjects. In: *J Clin Endocrinol Metab* (1971), Jul, Nr. 1, S. 14–22

## Literaturverzeichnis

---

- [176] WELLMAN, CL.: Dendritic reorganization in pyramidal neurons in medial prefrontal cortex after chronic corticosterone administration. In: *J Neurobiol* (2001), Nr. 3, S. 245–253
- [177] WHITNALL, MH.: Regulation of the hypothalamic corticotropin-releasing hormone neurosecretory system. In: *Prog Neurobiol* (1993), Nr. 5, S. 573–629
- [178] YAU, JL. ; SECKL, JR.: 11beta-hydroxysteroid dehydrogenase type I in the brain; thickening the glucocorticoid soup. In: *Mol Psychiatry* (2001), Nr. 6, S. 611–614
- [179] YEHUDA, R: Neuroendocrine aspects of PTSD. In: *Handb Exp Pharmacol* (2005), Nr. 169, S. 371–403
- [180] YEHUDA, R ; MCFARLANE, AC. ; SHALEV, AY.: Predicting the development of posttraumatic stress disorder from the acute response to a traumatic event. In: *Biol Psychiatry* (1998), Nr. 12, S. 1305–1313
- [181] YEHUDA, R ; SOUTHWICK, SM. ; KRYSTAL, JH. ; BREMNER, D ; CHARNEY, DS. ; MASON, JW.: Enhanced suppression of cortisol following dexamethasone administration in posttraumatic stress disorder. In: *Am J Psychiatry* (1993), Nr. 1, S. 83–86
- [182] YEHUDA, R ; TEICHER, MH. ; TRESTMAN, RL. ; LEVENGOOD, RA. ; SIEVER, LJ.: Cortisol regulation in posttraumatic stress disorder and major depression: a chronobiological analysis. In: *Biol Psychiatry* (1996), Nr. 2, S. 79–88
- [183] YEHUDA, R.: Current status of cortisol findings in post-traumatic stress disorder. In: *Psychiatr Clin North Am* (2002), Nr. 2, S. 341–368
- [184] YEHUDA, R. ; LEDOUX, J.: Response variation following trauma: a translational neuroscience approach to understanding PTSD. In: *Neuron* (2007), Nr. 1, S. 19–32
- [185] YOUNG, AH. ; SAHAKIAN, BJ. ; ROBBINS, TW. ; COWEN, PJ.: The effects of chronic administration of hydrocortisone on cognitive function in normal male volunteers. In: *Psychopharmacology (Berl)* (1999), Nr. 3, S. 260–266
- [186] ZHU, X. ; SCHUFF, N. ; KORNAK, J. ; SOHER, B. ; YAFFE, K. ; KRAMER, JH. ; EZEKIEL, F. ; MILLER, BL. ; JAGUST, WJ. ; WEINER, MW.: Effects of Alzheimer

## *Literaturverzeichnis*

---

disease on fronto-parietal brain N-acetyl aspartate and myo-inositol using magnetic resonance spectroscopic imaging. In: *Alzheimer Dis Assoc Disord* (2006), Nr. 2, S. 77–85

- [187] ZOBEL, AW. ; NICKEI, T. ; SONNTAG, A. ; UHR, M. ; HOLSBOER, F. ; ISING, M: Cortisol response in the combined dexamethasone/CRH test as predictor of relapse in patients with remitted depression. a prospective study. In: *J Psychiatr Res* (2001), Nr. 2, S. 83–94