

Curriculum Vitae

Dieter Kunz, M.D.

Born June 13, 1961, Bochum Germany

Professional status:

Clinical psychiatrist, sleep researcher, clinical chronobiologist

Current Affiliation and Positions:

1. Head: Department of Sleepmedicine, St. Hedwig-Krankenhaus , Große Hamburger Str. 5–11, 10115 Berlin, Germany; www.puk-charite-shk.de ; Tel.: ++49 – (0)30 – 2311 2900; Fax.: ++49 – (0)30 –2311 2913; e-mail.: dieter.kunz@charite.de
2. Director: Research group *Sleep Research & Clinical Chronobiology*, Institut of Physiology, Charité - Universitätsmedizin Berlin, Campus Benjamin Franklin (www.schlafmedizin-berlin.de)
3. Director: Working group *Chronobiology*, Deutsche Gesellschaft für Schlafforschung und Schlafmedizin – DGSM (www.dgsm.de)
4. Member: Life Science Working Group of the European Space Agency (ESA)
5. Member: German Institute for Norming (DIN): Working group: Light & Health

Education:

- 1988: Graduate of the Medical School, Freie Universität Berlin
- 1991: Doctor of medicine: Pathological Intracranial Calcification in MRI, Freie Universität Berlin (Prof. Dr. W. Schörner)
- 1991-1999: Research fellow and residency Dept Neurology (Prof. Dr. W. Girke) and Dept Psychiatry, Freie Universität Berlin (Prof. Dr. H. Helmchen)
- 1999: Board certificate as *Psychiatrist*
- 1999: Board certificate as *Somnologist*
- 2007: Venia legendi (Habilitation) in Psychiatry

Professional Experience:

- 1997-1999: Supervising physician Interdisciplinary Sleep Clinic, Freie Universität Berlin
- 1999-2002: Supervising psychiatrist, Dept Psychiatry, Medizinische Universität zu Lübeck
- Since 2002: Head Psychiatrische Universitätsklinik der Charité im St. Hedwig Krankenhaus and director research group *Sleep Research & Clinical Chronobiology*
- Since 2002: Principle Investigator in more than ten clinical trials phase I – IV (sleep disorders, schizophrenia, depression, dementia)
- January 2008: Head Dept. of Sleep Medicine, St. Hedwig Hospital and director research group *Sleep Research & Clinical Chronobiology* , Inst. Physiology, Charité – University Medicine Berlin

Research Activities (since 2004):

1. 20 (10 first/last author) peer reviewed papers (IF: 82.5) plus 2 submitted
2. grants (Principle Investigator) about 600.000€ (including BMBF, BMWi, EU), about 1 MIO€ as Co-Investigator
3. Research grant reviews for National Science Foundation (NSF), Österreichischer Jubiläumsfond, European Space Agency (ESA)

Berlin, January 2008

Original Publications (since 2004)

1. Mahlberg R, **Kunz D**, Sasse J, Kirchheiner J (2004). Serotonine syndrome with tramadol and citalopram in a patient heterozygous for deficient CYP2D6 and CYP2C19 alleles. *Am J Psych (letter)* (IF: 8.3) 161:1129.
2. Mahlberg R, **Kunz D**, Sutej I, Köhl KP, Hellweg R (2004). Melatonin treatment of day-night rhythm disturbances and sundowning in Alzheimer`s disease: An open-label pilot study using actigraphy. *J Clin Psychopharmacol (letter)* (IF: 4.6) 24:456-9.
3. Danker-Hopfe H, **Kunz D**, Gruber G, Klösch G, Lorenzo JL, Himanen SL, Kemp B, Penzel T, Röschke J, Dorn H, A Schlögl A, Trenker A, Dorffner G (2004). Interrater reliability between scorers from eight european sleep labs in subjects with different sleep disorders. *J Sleep Res* (IF: 3.5) 13:63-9.
4. Lang UE, Hellweg R, Bajbouj M, Lenzen KP, Sander T, **Kunz D**, Gallinat J (2005). Association of a functional BDNF polymorphism and anxiety-related personality traits. *Psychopharmacology* (IF: 3.6) 180:95-9.
5. Anderer P, Gruber G, Parapatics S, Woertz M, Miazhyńska T, Klösch G, Saletu B, Zeitlhofer J, Barbanov MJ, Danker-Hopfe H, Himanen SL, Kemp B, Penzel T, Grözinger M, **Kunz D**, Rappelsberger P, Schlögl A, Dorffner G (2005). An E-Health Solution for Automatic Sleep Classification according to Rechtschaffen and Kales: Validation Study of the Somnolyzer 24x7 utilizing the Siesta Database. *Neuropsychobiology* (IF: 2.4) 51:115-33.
6. Happe S, Klösch G, Lorenzo J, **Kunz D**, Penzel T, Röschke J, Himanen SL, Gruber, Zeitlhofer (2005). Perception of sleep: Subjective versus objective sleep parameters in patients with Parkinson`s disease in comparison with healthy elderly controls. *J Neurology* (IF: 3.0) 252:936-43.
7. Kalus P, Slotboom J, Gallinat J, Mahlberg R, Cattapan-Ludewig K, Nyffeler T, Buri C, Federspiel A, **Kunz D**, Schroth G, Kiefer C (2005). Examining the Gateway to the Limbic System with Diffusion Tensor Imaging: The Perforant Pathway in Dementia – *Neuroimage* (IF: 5.6) 30:713-20.
8. Schmitz S, Heidenreich JO, Platzek I, **Kunz D**, Mahlberg R, Wolf KJ (2006). Computed tomography of the human pineal gland for study of the sleep-wake rhythm: Reproducibility of a semi-quantitative approach. *Acta Radiologica* (IF: 0.9) 47:865-871.
9. **Kunz D**, Mahlberg R, Müller C, Tilmann A, Bes F (2004). Melatonin in patients with reduced REM sleep duration: Two randomized controlled trials. *J Clin Endocrinol Metab* (IF: 5.8) 89:128-34.
10. **Kunz D** (2004). Chronobiotic protocol and circadian sleep propensity index: New tools for clinical routine and research on melatonin and sleep. *Pharmacopsychiatry* (IF: 2.8)37:139-46.
11. Gallinat J, **Kunz D** (both first authors contributed equally) , Lang UE, Kalus P, Juckel G, Mahlberg R, Eggers T, Wernicke C, Rommelspacher H, Smolka MN (2005). Serotonergic effects of smoking are independent from the human serotonin transporter gene promoter polymorphism: Evidence from auditory cortical stimulus processing. *Pharmacopsychiatry* (IF: 2.8) 38:158-60.
12. Walther S, Mahlberg R, Eichmann U, **Kunz D** (2006). Delta-9-tetrahydrocannabinol for night-time agitation in severe dementia. *Psychopharmacology* (IF: 3.6) 185:524-8.
13. Mahlberg R, Tilmann A, Salewski L, **Kunz D** (2006). Normative data on the daily profile of urinary 6-sulfatoxymelatonin in healthy subjects between the ages 20 and 84. *Psychoneuroendocrinology* (IF: 4.9) 31: 634-41.
14. Gallinat J, **Kunz D** (both first authors contributed equally), Senkowski D, Kienast T, Seifert F, Schubert F, Heinz A (2006). Hippocampal glutamate concentration predicts cerebral theta oscillations. *Psychopharmacology* (IF: 3.6) 187:103-111.
15. Mahlberg R, Walther S, Eichmann U, Tracik F, **Kunz D** (2007). Effects of rivastigmine on actigraphically monitored motor activity in severe agitation related to Alzheimer`s Disease: A placebo-controlled pilot study. *Arch Gerontol Geriatr* (IF: 1.1) 45:19-26.
16. Mahlberg R, Walther S, Kalus P, Bohner G, Haedel S, Reischies FM, Köhl KP, Hellweg R, **Kunz D** (2007). Pineal calcification in Alzheimer`s disease: An in vivo study using computed tomography. *Neurobiol Aging – epub ahead* IF: 5.6
17. Gallinat J, **Kunz D** (both first authors contributed equally), Lang UE, Neu P, Kassim N, Kienast T, Seifert F, Schubert F, Bajbouj M (2007). Association between cerebral glutamate and human behaviour: The sensation seeking personality trait. *Neuroimage* (IF: 5.6) 34:671-67.
18. Mahlberg R, **Kunz D** (2007). Relationship of melatonin excretion levels to polysomnographic sleep parameters in healthy subjects and patients with sleep related disturbances. *Sleep Medicine* (IF: 2.9) 8:512-516.
19. Montag C, Heinz A, **Kunz D**, Gallinat J (2007). Self-reported empathic abilities in schizophrenia. *Schizophrenia Res.* (IF: 4.3) 92:85-89.
20. Brown SA, **Kunz D**, Dumas A, Westermarck PO, Vanselow K, Wahnschaffe A, Herzel HP, Kramer A (2008) Molecular insights into human daily behavior. *PNAS* (IF: 9.6) 105:1602-1607.
21. Mahlberg R, Haedel S, Heidenreich JO, Schmitz S, **Kunz D**. Polysomnographic sleep variables and degree of pineal calcification (DOC) in patients with sleep related disturbances – *submitted*
22. **Kunz D**, Müller C, Bes F, Mahlberg R. A randomized clinical trial on Melatonin in REM-sleep behavior disorder - *submitted*