Dr. med. Marcel A. Zeising  
Curriculum Vitae

**PERSONAL**

Name: Dr. Marcel Antoni Zeising, born Pawlowski

Scientific age: 15 y.

Nationality: German

Family status: Married, two children

**EDUCATION**

* 1997-2004, University training in medicine in Jena, Friedrich-Schiller-
* University of Jena
* 2003/2004, Internship: Surgery: Kantonsspital Herisau, Schweiz; Internal
* Medicine: Kantonsspital Herisau, Schweiz; Pediatrics: Friedrich-Schiller-

University of Jena

* 2004, Final examination in medicine and full medical license

**THESIS**

* 2009, Friedrich Schiller University Jena, Neurology: “Vestibular activation of the posterior insula investigated by MEG”, Magna cum laude, Prof. Dr. Witte

**PROF. EXPERIENCE**

* 2004-2005, Residency at the Friedrich-Alexander-University’s clinic,

Neurology, Chair: Prof. Dr. Neundörfer

* 2006, Residency at the Friedrich-Alexander-University’s Center for

Epileptology, Neurology, Chair: Prof. Dr. Stefan

* 2007-2016, Residency at the Max-Planck-Institute, Munich, Psychiatry and Psychotherapy, Chair: Prof. Dr. Dr. Dr. Holsboer, Prof. Dr. Dr. Keck
* 2016-2017 Specialist for psychiatry and psychotherapy at the MPI, Munich
* 2017-03/2020 Sleep physician in the interdisciplinary sleep medicine

centre of the Klinikum Ingolstadt, Prof. Dr. Pollmächer

* Since 04/2020 Head of the interdisciplinary sleep centre and the EEG

departement, Klinikum Ingolstadt, Prof. Dr. Pollmächer

**QUALIFICATIONS**

* 2007, EEG certificate
* 2015, Good Clinical Practice (GCP) module 1 & 2
* 2016, specialist for psychiatry and psychotherapy
* 2017, specialization in sleep medicine
* 2018, Certificate in medical didactics, basic level, LMU Munich

**ROLES**

* Since 2014 Member of the Board of Directors, International Pharmaco-EEG Society (IPEG); www.ipeg-society.org
* Since 2021 Member of the extended Board of Directors, Bavarian Society for Sleep Medicine; www.baygsm.de

**AWARDS**

* 2011, ECNP Travel Award and poster prize, Paris
* 2012, IPEG Werner Herrmann-Memorial Grant-Award, 5th place, New York
* 2018, SGBP best poster prize (Swiss Society for Biological Psychiatry), Bern

**TUTORSHIP**

* Christian Fischer, Leandra Eibl, Thomas von Werder, Cecilia Raffaelli, Franziska Schroter, Susanne Fischer, Lisa Müller, Marius Etzel and Yusuf Ahmed.

**SCIENTIFIC ASSOCIATIONS**

* International Pharmaco-EEG Society (IPEG)
* German Society for Clinical Neurophysiology (DGKN)
* German Association of Psychiatry, Psychotherapy and Psychosomatics (DGPPN)
* Society for Neuropsychopharmacology and Pharmacopsychiatry (AGNP)
* German Sleep Society (DGSM)

**PUBLICATIONS**:

1. Seidler S, Marthol H, **Pawlowski M**, Heckmann JG: Cluster headache in a ninety-one-year-old woman. Headache 2006 Jan;46:179–80.
2. Heckmann JG, Tröscher-Weber R, **Pawlowski M**, Seifert F, Lang CJG, Dörfler A, et al.: [Retropharyngeal tendinitis. Differential diagnosis in the management of acute neck pain]. Nervenarzt 2006 Aug;77:952–7.
3. Heckmann JG, **Pawlowski M**, Seifert F, Dütsch M, Bickel A: Bilateral ulnar neuropathy due to multifocal acquired demyelinating sensory and motor neuropathy (MADSAM). J Hand Surg Br 2006 Oct;31:583.
4. Dresler M, Kluge M, **Pawlowski M**, Schüssler P, Steiger A, Genzel L: A double dissociation of memory impairments in major depression. J Psychiatr Res 2011;45:1593–1599.
5. Dresler M, Eibl L, Fischer CFJ, Wehrle R, Spoormaker VI, Steiger A, Czisch M, **Pawlowski M**: Volitional components of consciousness vary across wakefulness, dreaming, and lucid dreaming. Front Psychol 2014;4:1–7.
6. Cordi M, Ackermann S, Bes FW, Hartmann F, Konrad BN, Genzel L, **Pawlowski M**, et al..: Lunar cycle effects on sleep and the file drawer problem. Curr Biol 2014 Jun 16;24:R549-50.
7. Adamczyk M, Gazea M, Wollweber B, Holsboer F, Dresler M, Steiger A, **Pawlowski M**: Cordance derived from REM sleep EEG as a biomarker for treatment response in depression - a naturalistic study after antidepressant medication. J Psychiatr Res 2015 Feb 19;63:97–104.
8. Olbrich H, **Pawlowski M**, Olbrich S: Elektrophysiologische Methoden zur Erfassung der Wachheitsregulation und Vigilanz. Das Elektrophysiologische Labor 2015:37:79–90.
9. Steiger A, **Pawlowski M**, Kimura M: Sleep electroencephalography as a biomarker in depression. ChronoPhysiology Ther 2015;2015:15–25.
10. Kunath N, Müller N, Tonon M, Konrad B, **Pawlowski M**, Kopczak A, et al.: Ghrelin modulates encoding-related brain function without enhancing memory formation in humans. Neuroimage 2016.
11. Müller NCJ, Genzel L, Konrad BN, **Pawlowski M**, Neville D, Fernández G, et al.: Motor Skills Enhance Procedural Memory Formation and Protect against Age-Related Decline. PLoS One 2016.
12. Ujma PP, Konrad BN, Gombos F, Simor P, Potari A, Genzel L, **Pawlowski M**, Steiger A, Bodzs R, Dresler M: The sleep EEG spectrum is a sexually dimorphic marker of general intelligence. Scientific Reports (2017)
13. **Pawlowski MA**, Gazea M, Wollweber B, Dresler M, Holsboer F, Keck ME, et al.: Heart rate variability and Cordance derived from rapid eye-movement sleep as biomarkers of depression and treatment response. J Psychiatr Res (2017)
14. **Pawlowski MA**, Abshir- Ahmed A, Beitinger P, Steiger A: Investigation of Mechanism of Increased Appetite after Olanzapine by sLORETA during Sleep. Somnologie (2018) 22(Suppl 1)
15. **Pawlowski MA**, Farronato F, Spoormaker V, Steiger A, Mikoteit T: Blunted Sleep Stage Related Heart Rate Variability in Antidepressant-Free Depression is Associated with Comorbid Sleep Disturbances. Somnologie (2018) 22(Suppl 1)
16. Engler L, Heinrich DA, Adolf C, Riester A, Franke A, **Pawlowski M**, Beuschlein F, Reincke M, Steiger A, Künzel H.: Sleep-EEG in patients with primary aldosteronism in comparison to healthy controls and patients with depression. J Psychiatr Res. (2019). doi: 10.1016/j.jpsychires.2019.02.020. Epub 2019 Feb 23.
17. Steiger A, **Pawlowski M.**: Depression and Sleep. Int J Mol Sci. (2019). doi: 10.3390/ijms20030607.
18. Editors: Olbrich S; **Pawlowski M**; Vollebregt M; Koenig T, Landolt HP: Pharmaco-EEG, Pharmaco-Sleep and EEG-Based Personalized Medicine, Special issue of Neuropsychobiology (2019). ISBN 978–3–318–06496–4, DOI:10.1159/isbn.978-3-318-06497-1
19. Mikoteit T, Witte MD, Holsboer-Trachsler E, **Pawlowski M**: Sleep stage related heart rate variability distinguishes between insomnia and normal sleep, Pharmacopsychiatry (2019), DOI: 10.1055/s-0039-1679147
20. Künzel, H., Kluge, M., **Zeising, M.**, Schopohl, J., Yassouridis, A., Stalla, G.K. and Steiger, A. (2020). Sleep in pituitary insufficient patients compared to patients with depression and healthy controls at baseline and after challenge with CRH. Journal of psychiatric research, 129, pp.124-128.
21. Bódizs, R., Szalárdy, O., Horváth, C., Ujma, P.P., Gombos, F., Simor, P., Pótári, A., **Zeising, M.**, Steiger, A. and Dresler, M. (2021). A set of composite, non-redundant EEG measures of NREM sleep based on the power law scaling of the Fourier spectrum. Scientific reports, 11(1), pp.1-18.
22. Mikoteit, T., Spieker, D., Steiger, A., Hatzinger, M. and **Zeising, M.** (2020). Guidance of treatment with the biomarker prefrontal theta cordance in rapid eye movement sleep improved response rates in major depression. EUROPEAN NEUROPSYCHOPHARMACOLOGY, 40, pp. S415-S416.
23. Bovy, L., Weber, F. D., Tendolkar, I., Fernández, G., Czisch, M., Steiger, A., **Zeising, M.**, Dresler, M. (2021). Non-REM sleep in major depressive disorder. bioRxiv.
24. **Zeising, M.**, Thiedemann, C., Pollmächer, T., (2022). Schlafmedizin in der Psychiatrie und Psychotherapie. Der Nervenarzt. DOI: 10.1007/s00115-022-01262-w