

Journalbeiträge

1. Abd Hamid AI, Gall C, Speck O, Antal A, Sabel BA (2015) Effects of alternating current stimulation on the healthy and diseased brain. FRONT NEUROSCI-SWITZ 9: 391, doi: 10.3389/fnins.2015.00391
2. Ahmad Z, Rafeeq M, Collombat P, Mansouri A (2015) Pax6 Inactivation in the Adult Pancreas Reveals Ghrelin as Endocrine Cell Maturation Marker. PLOS ONE 10(12): e0144597, doi: 10.1371/journal.pone.0144597
3. Alekseichuk I, Diers K, Paulus W, Antal A (2015) Transcranial electrical stimulation of the occipital cortex during visual perception modifies the magnitude of BOLD activity: A combined tES-fMRI approach. NEUROIMAGE nn: nn, doi: 10.1016/j.neuroimage.2015.11.034
4. Ambrus GG, Pisoni A, Primaßin A, Turi Z, Paulus W, Antal A (2015) Bi-frontal transcranial alternating current stimulation in the ripple range reduced overnight forgetting. FRONT CELL NEUROSCI 9: 374, doi: 10.3389/fncel.2015.00374
5. Antal A, Keeser D, Priori A, Padberg F, Nitsche MA (2015) Conceptual and Procedural Shortcomings of the Systematic Review "Evidence That Transcranial Direct Current Stimulation (tDCS) Generates Little-to-no Reliable Neurophysiologic Effect Beyond MEP Amplitude Modulation in Healthy Human Subjects: A Systematic Review" by Horvath and Co-workers. BRAIN STIMUL 8(4): 846-9, doi: 10.1016/j.brs.2015.05.010
6. Antal A (2015) On the way to understanding migraine. CEPHALALGIA nn: nn, doi: 10.1177/0333102415610877
7. Batista EK, Klauss J, Fregni F, Nitsche MA, Nakamura-Palacios EM (2015) A Randomized Placebo-Controlled Trial of Targeted Prefrontal Cortex Modulation with Bilateral tDCS in Patients with Crack-Cocaine Dependence. INT J NEUROPSYCHOPH 18(12): nn, doi: 10.1093/ijnp/pyv066
8. Batsikadze G, Paulus W, Grundey J, Kuo MF, Nitsche MA (2015) Effect of the Nicotinic $\alpha 4\beta 2$ -receptor Partial Agonist Varenicline on Non-invasive Brain Stimulation-Induced Neuroplasticity in the Human Motor Cortex. CEREB CORTEX 25(9): 3249-59, doi: 10.1093/cercor/bhu126
9. Bonilha L, Gleichgerrcht E, Fridriksson J, Rorden C, Breedlove JL, Nesland T, Paulus W, Helms G, Focke NK (2015) Reproducibility of the Structural Brain Connectome Derived from Diffusion Tensor Imaging. PLOS ONE 10(8): e0135247, doi: 10.1371/journal.pone.0135247
10. Brunelin J, Hasan A, Haesebaert F, Nitsche MA, Poulet E (2015) Nicotine Smoking Prevents the Effects of Frontotemporal Transcranial Direct Current Stimulation (tDCS) in Hallucinating Patients With Schizophrenia. BRAIN STIMUL 8(6): 1225-7, doi: 10.1016/j.brs.2015.08.002
11. Chaieb L, Antal A, Masurat F, Paulus W (2015) Neuroplastic effects of transcranial near-infrared stimulation (tNIRS) on the motor cortex. FRONT BEHAV NEUROSCI 9: 147, doi: 10.3389/fnbeh.2015.00147
12. Chaieb L, Antal A, Paulus W (2015) Transcranial random noise stimulation-induced plasticity is NMDA-receptor independent but sodium-channel blocker and benzodiazepines sensitive. FRONT NEUROSCI-SWITZ 9: 125, doi: 10.3389/fnins.2015.00125
13. Czesnik D, Howells J, Negro F, Wagenknecht M, Hanner S, Farina D, Burke D, Paulus W (2015) Increased HCN channel driven inward rectification in benign cramp fasciculation syndrome. BRAIN 138(Pt 11): 3168-79, doi: 10.1093/brain/awv254
14. Doneit W, Tuga MR, Mikut R, Liebetanz D, Rupp R, Reischl M (2015) Strategies for calibration and training to individualize signal generation in myoelectric control of assistive devices. TM-TECH MESS 82: 411-421
15. Dutta A, Jacob A, Chowdhury SR, Das A, Nitsche MA (2015) EEG-NIRS Based Assessment of Neurovascular Coupling During Anodal Transcranial Direct Current Stimulation - a Stroke Case Series. J MED SYST 39(4): 205, doi: 10.1007/s10916-015-0205-7
16. Dutta A, Krishnan C, Kantak SS, Ranganathan R, Nitsche MA (2015) Recurrence quantification analysis of surface electromyogram supports alterations in motor unit recruitment strategies by anodal transcranial direct current stimulation. RESTOR NEUROL NEUROS 33(5): 663-9, doi: 10.3233/RNN-140469
17. Ekins S, Litterman NK, Arnold RJG, Burgess RW, Freundlich JS, Gray SJ, Higgins JJ, Langley B, Willis DE, Notterpek L, Pleasure D, Sereda MW, Moore A (2015) A brief review of recent Charcot-Marie-Tooth research and priorities. F1000Res 4: 53, doi: 10.12688/f1000research.6160.1
18. Epplen DB, Prukop T, Nientiedt T, Albrecht P, Arlt FA, Stassart RM, Kassmann CM, Methner A, Nave KA, Werner HB, Sereda MW (2015) Curcumin therapy in a Plp1 transgenic mouse model of Pelizaeus-Merzbacher disease. Ann Clin Transl Neurol 2(8): 787-96, doi: 10.1002/acn3.219
19. Frase L, Maier JG, Zittel S, Freyer T, Riemann D, Normann C, Feige B, Nitsche MA, Nissen C (2015) Bifrontal Anodal Transcranial Direct Current Stimulation (tDCS) Improves Daytime Vigilance and Sleepiness in a Patient With Organic Hypersomnia Following Reanimation. BRAIN STIMUL 8(4): 844-6, doi: 10.1016/j.brs.2015.05.009

20. Fregni F, Nitsche MA, Loo CK, Brunoni AR, Marangolo P, Leite J, Carvalho S, Bolognini N, Caumo W, Paik NJ, Simis M, Ueda K, Ekhitari H, Luu P, Tucker DM, Tyler WJ, Brunelin J, Datta A, Juan CH, Venkatasubramanian G, Boglio PS, Bikson M (2015) Regulatory Considerations for the Clinical and Research Use of Transcranial Direct Current Stimulation (tDCS): review and recommendations from an expert panel. *Clin Res Regul Aff* 32(1): 22-35, doi: 10.3109/10601333.2015.980944
21. Grundey J, Nitsche MA (2015) Neuromodulatory Non-invasive Brain Stimulation: Methods and Clinical Application. *KLIN NEUROPHYSIOL* 46(3): 141-145
22. Grundey J, Amu R, Ambrus GG, Batsikadze G, Paulus W, Nitsche MA (2015) Double dissociation of working memory and attentional processes in smokers and non-smokers with and without nicotine. *PSYCHOPHARMACOLOGY* 232(14): 2491-501, doi: 10.1007/s00213-015-3880-7
23. Janacsek K, Ambrus GG, Paulus W, Antal A, Nemeth D (2015) Right hemisphere advantage in statistical learning: evidence from a probabilistic sequence learning task. *BRAIN STIMUL* 8(2): 277-82, doi: 10.1016/j.brs.2014.11.008
24. Kuo HI, Paulus W, Batsikadze G, Jamil A, Kuo MF, Nitsche MA (2015) Chronic Enhancement of Serotonin Facilitates Excitatory Transcranial Direct Current Stimulation-Induced Neuroplasticity. *NEUROPSYCHOPHARMACOL* nn: nn, doi: 10.1038/npp.2015.270
25. Kuo MF, Nitsche MA (2015) Exploring prefrontal cortex functions in healthy humans by transcranial electrical stimulation. *Neurosci Bull* 31(2): 198-206, doi: 10.1007/s12264-014-1501-9
26. Lugon MDMV, Batsikadze G, Fresnoza S, Grundey J, Kuo MF, Paulus W, Nakamura-Palacios EM, Nitsche MA (2015) Mechanisms of Nicotinic Modulation of Glutamatergic Neuroplasticity in Humans. *CEREB CORTEX* nn: nn, doi: 10.1093/cercor/bhv252
27. Nasser P, Nitsche MA, Ekhtiari H (2015) A framework for categorizing electrode montages in transcranial direct current stimulation. *FRONT HUM NEUROSCI* 9: 54, doi: 10.3389/fnhum.2015.00054
28. Neef NE, Hoang TNL, Neef A, Paulus W, Sommer M (2015) Speech dynamics are coded in the left motor cortex in fluent speakers but not in adults who stutter. *BRAIN* 138(Pt 3): 712-25, doi: 10.1093/brain/awu390
29. Nemeth D, Janacsek K, Turi Z, Lukacs A, Peckham D, Szanka S, Gazso D, Lovassy N, Ullman MT (2015) The production of nominal and verbal inflection in an agglutinative language: evidence from hungarian. *PLOS ONE* 10(3): e0119003, doi: 10.1371/journal.pone.0119003
30. Nitsche MA, Paulus W (2015) Vascular safety of brain plasticity induction via transcranial direct currents. *NEUROLOGY* 84(6): 556-7, doi: 10.1212/WNL.0000000000001242
31. Nitsche MA, Bikson M, Bestmann S (2015) On the Use of Meta-analysis in Neuromodulatory Non-invasive Brain Stimulation. *BRAIN STIMUL* 8(3): 666-7, doi: 10.1016/j.brs.2015.03.008
32. Opitz A, Paulus W, Will S, Antunes A, Thielscher A (2015) Determinants of the electric field during transcranial direct current stimulation. *NEUROIMAGE* 109C: 140-150, doi: 10.1016/j.neuroimage.2015.01.033
33. Pehlivan D, Beck CR, Okamoto Y, Harel T, Akdemir ZHC, Jhangiani SN, Withers MA, Goksungur MT, Carvalho CMB, Czesnik D, Gonzaga-Jauregui C, Wiszniewski W, Muzny DM, Gibbs RA, Rautenstrauss B, Sereda MW, Lupski JR (2015) The role of combined SNV and CNV burden in patients with distal symmetric polyneuropathy. *GENET MED* nn: nn, doi: 10.1038/gim.2015.124
34. Pisoni A, Turi Z, Raithel A, Ambrus GG, Alekseichuk I, Schacht A, Paulus W, Antal A (2015) Separating Recognition Processes of Declarative Memory via Anodal tDCS: Boosting Old Item Recognition by Temporal and New Item Detection by Parietal Stimulation. *PLOS ONE* 10(3): e0123085, doi: 10.1371/journal.pone.0123085
35. Primalšin A, Scholtes N, Heim S, Huber W, Neuschäfer M, Binkofski F, Werner CJ (2015) Determinants of Concurrent Motor and Language Recovery during Intensive Therapy in Chronic Stroke Patients: Four Single-Case Studies. *Front Neurol* 6: 215, doi: 10.3389/fneur.2015.00215
36. Renzi C, Ferrari C, Schiavi S, Pisoni A, Papagno C, Vecchi T, Antal A, Cattaneo Z (2015) The role of the occipital face area in holistic processing involved in face detection and discrimination: A tDCS study. *NEUROPSYCHOLOGY* 29(3): 409-16, doi: 10.1037/neu0000127
37. Rivera-Urbina GN, Batsikadze G, Molero-Chamizo A, Paulus W, Kuo MF, Nitsche MA (2015) Parietal transcranial direct current stimulation modulates primary motor cortex excitability. *EUR J NEUROSCI* 41(6): 845-55, doi: 10.1111/ejn.12840
38. Rossini PM, Burke D, Chen R, Cohen LG, Daskalakis Z, Di Iorio R, Di Lazzaro V, Ferreri F, Fitzgerald PB, George MS, Hallett M, Lefaucheur JP, Langguth B, Matsumoto H, Miniussi C, Nitsche MA, Pascual-Leone A, Paulus W, Rossi S, Rothwell JC, Siebner HR, Ugawa Y, Walsh V, Ziemann U (2015) Non-invasive electrical and magnetic stimulation of the brain, spinal cord, roots and peripheral nerves: Basic principles and procedures for routine clinical and research application. An updated report from an I.F.C.N. Committee. *CLIN NEUROPHYSIOL* 126(6): 1071-1107, doi: 10.1016/j.clinph.2015.02.001
39. Salvador R, Wenger C, Nitsche MA, Miranda PC (2015) How electrode montage affects transcranial direct current stimulation of the human motor cortex. *Conf Proc IEEE Eng Med Biol Soc* 2015: 6924-7, doi: 10.1109/EMBC.2015.7319985

Universitätsmedizin Göttingen
Publikationen und Hochschulschriften 2015
Klinische Neurophysiologie

40. Schade S, Paulus W (2015) D-Cycloserine in Neuropsychiatric Diseases: A Systematic Review. INT J NEUROPSYCHOPH nn: nn, doi: 10.1093/ijnp/pyv102
41. Schmalfuß L, Rupp R, Tuga MR, Kogut A, Hewitt M, Meincke J, Klinker F, Duttenhoefer W, Eck U, Mikut R, Reischl M, Liebetanz D (2015) Steer by ear: Myoelectric auricular control of powered wheelchairs for individuals with spinal cord injury. RESTOR NEUROL NEUROS 34(1): 79-95, doi: 10.3233/RNN-150579
42. Sellaro R, Derks B, Nitsche MA, Hommel B, van den Wildenberg WPM, van Dam K, Colzato LS (2015) Reducing Prejudice Through Brain Stimulation. BRAIN STIMUL 8(5): 891-7, doi: 10.1016/j.brs.2015.04.003
43. Sellaro R, Güroğlu B, Nitsche MA, van den Wildenberg WPM, Massaro V, Durieux J, Hommel B, Colzato LS (2015) Increasing the role of belief information in moral judgments by stimulating the right temporoparietal junction. NEUROPSYCHOLOGIA 77: 400-408, doi: 10.1016/j.neuropsychologia.2015.09.016
44. Shin YI, Foerster Á, Nitsche MA (2015) Transcranial direct current stimulation (tDCS) - Application in neuropsychology. NEUROPSYCHOLOGIA 69C: 154-175, doi: 10.1016/j.neuropsychologia.2015.02.002
45. Sommer M, Paulus W (2015) Stuttering: Classical Problem of Disturbed Link between Cortical Speech and Language Centres. KLIN NEUROPHYSIOL 46(3): 136-140
46. Sommer M, Stiksrud EM, von Eckardstein K, Rohde V, Paulus W (2015) When battery exhaustion lets the lame walk: a case report on the importance of long-term stimulator monitoring in deep brain stimulation. BMC NEUROL 15: 113, doi: 10.1186/s12883-015-0365-6
47. Stephani C, Koubeissi M (2015) Differences of Intracranial Electrical Stimulation Thresholds in the Human Brain. BRAIN STIMUL 8(4): 724-9, doi: 10.1016/j.brs.2015.02.011
48. Strube W, Bunse T, Nitsche MA, Wobrock T, Aborowa R, Misewitsch K, Herrmann M, Falkai P, Hasan A (2015) Smoking Restores Impaired LTD-Like Plasticity in Schizophrenia: a Transcranial Direct Current Stimulation Study. NEUROPSYCHOPHARMACOL 40(4): 822-30, doi: 10.1038/npp.2014.275
49. Trenkwalder C, Winkelmann J, Inoue Y, Paulus W (2015) Restless legs syndrome-current therapies and management of augmentation. NAT REV NEUROL 11(8): 434-45, doi: 10.1038/nrneurol.2015.122
50. Turi Z, Mittner M, Opitz A, Popkes M, Paulus W, Antal A (2015) Transcranial direct current stimulation over the left prefrontal cortex increases randomness of choice in instrumental learning. CORTEX 63: 145-54, doi: 10.1016/j.cortex.2014.08.026
51. Wickmann F, Stephani C, Czesnik D, Klinker F, Timäus C, Chaieb L, Paulus W, Antal A (2015) Prophylactic treatment in menstrual migraine: A proof-of-concept study. J NEUROL SCI 354(1-2): 103-9, doi: 10.1016/j.jns.2015.05.009
52. Zschüntzsch J, Zhang Y, Klinker F, Makosch G, Klinge L, Malzahn D, Brinkmeier H, Liebetanz D, Schmidt J (2015) Treatment with human immunoglobulin G improves the early disease course in a mouse model of Duchenne muscular dystrophy. J NEUROCHEM NN: NN, doi: 10.1111/jnc.13269

Buchbeiträge

Chaieb L, Saiote C, Paulus W, Antal A (2015) Effects of Transcranial Electrical Stimulation on Sensory Functions. In: Kadosh RC (Hrsg.) The Stimulated Brain. Elsevier, 181-205

Medizinische Dissertationen

1. Bütfeling C, Dr. med. (2015) Geschlechtsspezifische Unterschiede sprechassozierter Gehirnaktivität bei stotternden Menschen - Eine klinische Studie mittels funktioneller Magnetresonanztomografie. Dissertation Universität Göttingen.
2. Diederich C, Dr. med. (2015) Untersuchung struktureller zerebraler Alterationen bei Patienten mit idiopathisch-generalisierter Epilepsie unter besonderer Berücksichtigung des Janz-Syndroms. Dissertation Universität Göttingen.
3. Hasan K, Dr. med. (2015) Bedeutung einer Beeinträchtigung der D2- und D3-vermittelten dopaminergen Transmission für die motorische Aktivität und das motorische Lernverhalten im Mausmodell. Dissertation Universität Göttingen.

Masterarbeiten

1. Heiler S, MSc (2015) Stotterantizipation - Charakteristika und Bedeutung. Masterarbeit Universität Bielefeld.
2. Korzeczek A, MSc (2015) Motorisches Lernen bei erwachsenen Stotternden. Masterarbeit Universität Bielefeld.
3. Schelenberg K, MSc (2015) Akustisches Lernen bei erwachsenen Stotternden. Masterarbeit Universität Bielefeld.