

PUBLICATION LIST

Prof. Dr. Ahmed A. Karim, Dipl.-Psych.

I. JOURNAL ARTICLES

1. Karim AA, Kammer T, Lotze M, Hinterberger T, Godde B, Cohen LG, Birbaumer N. (2003). Effects of repetitive transcranial magnetic stimulation (rTMS) on slow cortical potentials. **Clinical Neurophysiology** Suppl. 56:331-337. **IF: 3.4.**
2. Karim AA, Hodzic A, Veit R, Godde B. (2003). Reorganization of human somatosensory cortex induced by passive tactile coactivation alters performance in spatial and temporal discrimination tasks. **Journal of Psychophysiology** 17:157-158. **IF: 1.5.**
3. Hodzic A, Veit R, Karim AA, Erb M, Godde B. (2004). Improvement and decline in tactile behavior after cortical plasticity induced by passive tactile coactivation. **Journal of Neuroscience** 24:442-446. **IF: 7.3.**
4. Karim AA, Kammer T, Lotze M, Nitsche MA, Godde B, Hinterberger T, Cohen LG, Birbaumer N. (2004). Effects of TMS and tDCS on the physiological Regulation of cortical excitability in a Brain-Computer Interface. **Biomedical Engineering** 49:55-57. **IF: 1.2.**
5. Birbaumer N, Hinterberger T, Karim AA, Kübler A, Neumann N, Veit R. (2004). Brain-Computer Communication using self-control of Slow-Cortical Potentials (SCP). **Biomedical Engineering** 49:1-4. **IF: 1.2.**
6. Godde B, Schueler A, Friedel E, Li-Hegner Y, Karim AA. (2005). Fazilitierung von taktilem perzeptuellem Lernen durch repetitive transkranielle Magnetstimulation (rTMS). **Zeitschrift für Neuropsychologie**, 16: 19-20. **IF: 0.82.**
7. Karim AA, Hinterberger T, Richter J, Mellinger J, Neumann N, Flor H, Kübler A, Birbaumer N. (2006). Neural Internet: Web surfing with brain potentials for the completely paralysed. **Neurorehabilitation and Neural Repair** 20:508-515. **IF: 4.5.**
8. Bensch M, Karim AA*, Mellinger J, Hinterberger T, Tangermann M, Bodgan M, Rosenstiel W, Birbaumer N. (2007). Nessi: An EEG controlled web browser for severely paralyzed patients. **Computational Intelligence and Neuroscience** 71863:1-5.
9. Karim AA, Schueler A, Hegner YL, Friedel E, Godde B. (2006). Facilitating effect of 15 Hz repetitive transcranial magnetic stimulation (rTMS) on tactile perceptual learning. **Journal of Cognitive Neuroscience** 18:1577-1585. **IF: 5.4.**
10. Karger A & Karim AA (2006) Zur Kritik der Neurotheologie. **Forum Technik, Theologie und Naturwissenschaft**. 16:19-37.
11. Krippel M, Fromberger P, Stolpmann G, Karim AA, Müller JL. (2007). Psychophysiologische Untersuchungen bei forensisch relevanten Störungen am

Beispiel der Psychopathie. **Forensische Psychiatrie, Psychologie & Kriminologie** 1:259-268.

12. Sauseng P, Klimesch W, Hummel FC, Heise K, Gruber WR, Karim AA, Gerloff C, Birbaumer N. (2009). Brain oscillatory correlates of human short-term memory capacity. **Current Biology**. 19(21): 1846-1852. **IF: 10.1**.
13. Karim AA, Schneider M, Lotze M, Veit R, Sauseng P, Braun C, Birbaumer N. (2010). The truth about lying: Inhibition of the anterior prefrontal cortex improves deceptive behavior. **Cerebral Cortex** 20(1): 205-213. **IF: 6.8**.
14. Noreika, V., Windt, J., Lenggenhager, B. & Karim, A. A. (2010). New Perspectives for the study of lucid dreaming: From brain stimulation to philosophical theories of self-consciousness. **International Journal of Dream Research**. 3(1), 27-36.
15. Karim AA (2010). Transcranial cortex stimulation as a novel approach for probing the neurobiology of dreams: Clinical and neuroethical implications. **International Journal of dream research**. 3(1): 17-20.
16. Krippel M & Karim AA*, (2011). Theory of Mind und ihre neuronalen Korrelate bei forensisch relevanten Störungen. **Nervenarzt**. 82: 843-852. **IF: 0.8**.
17. Karim AA, Schneider M, Kipping J, Kotchoubey B, Khedr E, Fallgatter A, Birbaumer N. (2013). Psychopathic traits and the psychophysiology of deception: A transcranial direct current stimulation (tDCS) study. **Clinical Neurophysiology** 124 (10): 57-58. **IF: 3.4**.
18. Klein E, Mann A, Huber S, Bloechle J, Willmes K, Karim AA, Nuerk HC & Moeller K. (2013). Bilateral bi-cephalic tDCS with two active electrodes of the same polarity modulates bilateral cognitive processes differentially. **Plos One**. **IF: 4.1**.
19. Khedr E, Gamal NF, Khalifa H, Ahmed EM, Hamdy A, Karim AA (under rev.). A randomized, double-blind clinical trial on the efficacy of cortical direct current stimulation for the treatment of Alzheimer's disease. **Alzheimer's & Dementia**. **IF: 14.5**.
20. Khedr E, El-Fetoh NB, Ali AM, El-Hammady DH, Khalifa H, Atta H, Karim AA (2014). Dual hemisphere repetitive transcranial magnetic stimulation for rehabilitation of post stroke aphasia: A randomized, double-blind clinical trial. **Neurorehabilitation and Neural Repair**. **IF: 4.5**.
21. Krippel M, Karim AA, Brechmann A. (under rev.). Neuronal correlates of voluntary facial movements. **Neuropsychologia**. **IF: 3.5**.
22. Karim AA, Osman MA, Birbaumer N, Fallgatter AJ, Khedr E. (submitted). The origin of lie detection in Ancient Egypt.
23. Karim AA & Birbaumer N. (invited review). Neurophysiology of Deception. **Experimental Brain Research**. **IF: 2.3**.

24. Bauer R, Schwippel T, Karim AA, Scheider M, Naros G, Gharabaghi A. (submitted). Modulating left insula with deep brain stimulation affects unconscious emotion processing.
25. Khedr E, El-Fetoh NB, Bieh E, Ali AM, Karim AA (submitted). Cortical excitability in Anorexia Nervosa.

II. BOOKS AND BOOK CHAPTERS

26. Karim AA, Bensch M, Mellinger J, Hinterberger T, Schröder M, Bodgan M, Neumann N, Kübler A, Rosenstiel W, Birbaumer N. (2006). Neural Internet for ALS patients. In: Müller-Putz et al., editors. **Proceeding of the 3rd International Brain-Computer Interface Workshop**. Graz: Verlag der Technischen Universität Graz. p 114-116.
27. Karim AA, Birbaumer N, Siebner HR. 2007. Transkranielle Kortexstimulation. In: Siebner HR, Ziemann U, editors. **Das TMS-Buch**. Heidelberg: Springer Medizin Verlag. p 555-565.
28. Karim AA, Schneider M, Krippel M, Birbaumer N. (2009). Neurobiologische Befunde beim Lügen – Ethische und rechtliche Implikationen. In: Schleim S, Spranger TD, Walter H, editors. **Von der Neuroethik zum Neurorecht?** Göttingen: Vadenhoeck & Ruprecht Verlag. 149-163.
29. Karim AA, Schneider M, Birbaumer N. (2009). Zur Neurobiologie des Lügens. In: Mülller JL, editor. **Neurobiologie forensisch-relevanter Störungen**. Stuttgart: Kohlhammer. 139-152.
30. Krippel M, Karim AA. (2009). "Theory of Mind" bei forensisch relevanten Störungen. In: Müller JL, editor. **Neurobiologie forensisch-relevanter Störungen**. Stuttgart: Kohlhammer. 248-259.
31. Karim AA. (2009). Transcranial magnetic stimulation (TMS), neuroplasticity and learning. **Dissertation an der Eberhard-Karls-Universität Tübingen**.
32. Karim AA, Birbaumer N., Fallgatter AJ (2012). Die Wahrheit über das Lügen: Neurophysiologische und Psychopathische Persönlichkeitszüge. In: J. Müller, M. Rösler, P. Briken, editor. **Empirische Forschung in der forensischen Psychiatrie, Psychologie und Psychotherapie**. Berlin: Medizinisch Wissenschaftliche Verlagsgesellschaft. 3-12.
33. Karim AA, Birbaumer N. (2013). Motorische Neuroprothesen. In: Claßen & Schnitzler, editor. **Interventionelle Neurophysiologie**. Stuttgart: Thieme Verlag. 291-298.
34. Karim AA. (2014). Migrantinnen und Migranten als Vorbilder: Erkenntnisse aus der Medien-, Lern- und Neuropsychologie. In: Stabstelle für Integration und Gleichstellung der Universitätsstadt Tübingen (Hrsg.) **Tübinger Talente**. Kirchentellinsfurt: Artur Verlag.

III. SELECTED CONFERENCE PRESENTATIONS AND INVITED TALKS

35. Karim AA (1999). Which factors have the most potent effects on IQ-Gains. **Talk at the 11th International Congress of the European Society for Child and Adolescent Psychiatry (ESCAP)**, Hamburg, Germany.
36. Karim AA (2001). Zum Akzelerationsphänomen der psychometrischen Intelligenz. **Invited talk at the Max-Planck Institute for Cognitive Neuroscience**, Leipzig, Germany.
37. Karim AA (2002). Effects of repetitive transcranial magnetic stimulation (rTMS) of the SMA on slow cortical potentials (SCP). Poster presented at the **2nd International Brain-Computer Interface Workshop**, Rensselaerville, New York, USA.
38. Karim AA (2002). Neural Internet: Future Applications of BCI Technology. Talk at the **2nd International Brain-Computer Interface Workshop**, Rensselaerville, New York, USA.
39. Karim AA. (2004). Modulation of slow cortical potentials (SCP) by transcranial magnetic stimulation (TMS). Poster at the **4th Autism School in Cognitive Neuroscience at the Oxford University**, Oxford, England.
40. Karim AA, Godde B. 2005. Facilitating effects of transcranial magnetic stimulation (TMS) on tactile discrimination learning. In: Poster presented at the **35th Annual Meeting of the Society for Neuroscience (SFN)**, Washington, DC, USA.
41. Karim AA, Hegner YL, Birbaumer N, Godde B. (2005). Effects of somatosensory cortical reorganization on tactile perceptual learning I: Psychophysics and fMRI in humans. **Psychophysiology** 42:72.
42. Karim AA, Hodzic A, Veit R, Birbaumer N, Godde B. (2005). Effects of somatosensory cortical reorganization on tactile perceptual learning II: Facilitation effect of TMS. **Psychophysiology** 42: 72.
43. Karim AA, Lotze M, Schneider M, Weber C, Braun C, Birbaumer N. (2006). The truth about lying: Inhibition of the anterior prefrontal cortex improves deceptive behavior. **Psychophysiology** 43: 50.
44. Karim AA. (2006). Transkranielle Kortexstimulation, Neuroplastizität und Lernen. **Invited Talk at the Salzburger Gesellschaft für Psychologie**, Salzburg, Austria.
45. Karim AA. (2006). Transcranial cortex stimulation, neuroplasticity and learning. **Invited talk at the 2nd Egyptian German Symposium on Neurology and Neurosurgery**. Cairo, Egypt.
46. Karim AA, Schleim S. (2007). The neuroscience of immoral and moral behavior. **Invited Keynote Lecture at MIND 8**. University of Frankfurt, Germany.
47. Karim AA. (2007). Neural correlates of telling lies. **Invited talk at the 3rd Egyptian German Symposium on Clinical Neuroscience**. Cairo, Egypt.

48. Karim AA, Schneider M, Lotze M, Veit R, Braun C, Birbaumer N. (2008). Cathodal tDCS of the anterior prefrontal cortex improves deceptive behavior. **Brain Stimulation** 1 (3): 263.
49. Karim AA. (2008). Neurobiologie des Lügens. **Invited talk at the Annual Meeting of the German Society for Psychiatry, Psychotherapy and Neurology (DGPPN)** in Berlin, Germany.
50. Karim AA, Hodzic A, Godde B. (2008) Effects of somatosensory cortical reorganization on tactile perceptual learning: Evidences from fMRI and TMS. **Der Nervenarzt** 79 (4): 376.
51. Karim AA (2008). The beginnings of dream research in Ancient Egypt. **Talk at the 25th Annual Conference of the International Association for the Study of Dreams** in Montreal, Canada.
52. Karim AA. (2010). Chancen und Grenzen der Empathie: Klinische und neurobiologische Grundlagen. **Invited keynote lecture at the Jahreskonvent der Krakenseelsorge**, Evangelische Akademie Bad Boll.
53. Karim AA. (2010). Transcranial cortex stimulation as a novel approach for probing the neurobiology of dreams: Clinical and neuroethical implications. **Invited keynote lecture at the Max Planck Institute for Psychiatry**, Munich, Germany.
54. Karim AA. (2011). Neuropsychotherapie: Implikationen aus der Gehirnforschung für die Psychotherapie. **Invited talk at the Clinic for Psychiatry and Psychotherapy in Nürtingen**, Germany.
55. Karim AA. (2011). Die Wahrheit über das Lügen: Neurophysiologische Prozesse und psychopathische Persönlichkeitszüge. **Invited talk at Göttinger Tagung zur Empirischen Forschung in der forensischen Psychiatrie, Psychologie und Psychotherapie, University of Göttingen**.
56. Karim AA. (2012). Depression und Burnout. **Fortbildung für Polizeibeamte an der Polizeidirektion in Tübingen**.
57. Karim AA. (2012). Transcranial Magnetic Stimulation (TMS) and Neuroplasticity. **Invited keynote lecture at the Symposium of the Faculty of Medicine, Assiut University, Egypt**.
58. Karim AA. (2012). Effects of transcranial cortex stimulation on illusory own-body perception in the awake and the sleeping mind. **Invited talk at the 9th Symposium of BIAL Foundation, Casa de Médico, Portugal**.
59. Karim AA. (2012). Transkranielle Kortexstimulation, Neuroplastizität und Lernen. **Invited talk at the Department of Psychiatry and Psychotherapy, University Clinic Tübingen**.
60. Karim AA. (2013). Psychopathic traits and the psychophysiology of deception: A transcranial direct current stimulation (tDCS) study. **Invited talk at the 5th International Conference on Non-Invasive Brain Stimulation**, Leipzig.

61. Karim AA. (2013). The truth about lying: Neurophysiological processes and psychopathic traits. **Invited talk at the 45th European Brain and Behavioral Society (EBBS) Meeting for receiving the 2013 EBBS Young Investigators Award**, Munich.