



## Prof. Dr. med. Dipl.-Psych. MICHAEL NITSCHKE

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### Scientific Director

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### CV

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| 2006 – 2015 | Consultant position Neurology - Georg-August University Goettingen                          |
| 2006        | Habilitation (PD Dr. habil) - Georg-August University Goettingen                            |
| 2005        | Board Certification (Neurology) - Lower Saxony Medical Association                          |
| 1999 – 2005 | Specialists Training / Research training – Institutions: Georg-August University Goettingen |
| 2000        | Docotoral Degree (Dr. med.) - Georg-August University Goettingen                            |
| 1999        | Licence to practice medicine, M.D. - Georg-August University Goettingen                     |
| 1991 – 1998 | Medical School – Institution: Georg-August University Goettingen                            |
| 1987 – 1995 | Psychology – Institution: Georg-August University Goettingen                                |

### Recent Research Topics

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- Towards risk prediction of nicotine dependency by exploring individual limits of cortical neuroplasticity in humans
- Dopaminergic modulation of plasticity in humans: Physiology and behavioral consequences
- Impact of the nicotinic alpha7 receptor on cortical plasticity in smokers and nonsmokers
- transcranial electrical stimulation and analysis of neurovascular coupling
- Brains Stimulation

### Five most important Publications

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1. Fresnoza S, Stiksrud E, Klinker F, Liebetanz D, Paulus W, Kuo MF, [Nitsche MA](#) (2014). [Dosage-dependent effect of dopamine D2 receptor activation on motor cortex plasticity in humans](#). J Neurosci **34**, 10701-10709.
2. Voss U, Holzmann R, Hobson A, Paulus W, Koppehele-Gossel J, Klimke A, [Nitsche MA](#) (2014). Induction of self awareness in dreams through frontal low current stimulation of gamma activity. Nat Neurosci, **17**, 810-812.
3. Batsikadze G, Paulus W, Kuo M-F, [Nitsche MA](#) (2013): Effect of Serotonin on Paired Associative Stimulation-Induced Plasticity in the Human Motor Cortex. Neuropsychopharmacology **38**, 2260-2267.
4. Batsikadze G, Moliadze V, Paulus W, Kuo MF, [Nitsche MA](#) (2013): [Partially non-linear stimulation intensity-dependent effects of direct current stimulation on motor cortex excitability in humans](#). J Physiol **591**, 1987-2000.
5. Monte-Silva K, Kuo MF, Hessenthaler S, Fresnoza S, Liebetanz D, Paulus W, [Nitsche MA](#) (2013): [Induction of late LTP-like plasticity in the human motor cortex by repeated non-invasive brain stimulation](#). Brain Stimul **6**, 424-432.