

**Hong-Viet V. Ngo***Postdoctoral fellow*

E-Mail: hong-viet.ngo@uni-tuebingen.de
Phone: +49-7071-29-88931
Fax: +49-7071-29-25016
Adresse: Institut für Medizinische Psychologie
Universität Tübingen
FIN Gebäude, Ebene 6, Raum 513
Otfried-Müller-Strasse 25
72076 Tübingen
Deutschland

Research

The focus of my research lies on the sleep slow oscillation, sleep spindle and other sleep rhythms and their role on memory consolidation during sleep. I am examining in particular the manipulation of these oscillations with different brain stimulation techniques (e.g. auditory or transcranial electrical stimulation). My work is mainly experimentally orientated, but I am also involved in theoretical/computational studies regarding the dynamics of neural networks during sleep.

since 2014	Post-doc, Institute for Medical Psychology and Behavioral Neurobiology, University of Tübingen
2009 - 2014	PhD student, Graduate School for Computing in Medicine and Life Sciences, University of Lübeck Institute for Neuro- and Bioinformatics, University of Lübeck Institute for Medical Psychology and Behavioral Neurobiology, University of Tübingen
2007-2008	Student assistant, Department of Neurology, University Hospital Kiel

Teaching

2010/2011	Tutorial for "Introduction of Bioinformatics", University of Lübeck
2009/2010	Tutorial for "Artificial Life & Systems Biology", University of Lübeck
2009-2012	Tutorial and lectures for "Quantum Mechanics", University of Lübeck

Education

2009 – 2014	PhD in neuroscience, University of Lübeck and Tübingen
2003 – 2008	Diploma in physics, University of Kiel

Awards

2014	Attempto Prize from the Universitätsbund Tübingen e.V.
2013	Young Sleep Researcher Award from the German Society for Sleep Research and Sleep Medicine (DGSM)
2009 – 2012	Fellowship of the Graduate School for Computing in Medicine and Life Sciences, University of Lübeck, Germany

Publications

Weigenand, A., Schellenberger Costa, M., **Ngo, H.-V. V.**, Claussen, J.C. and Martinetz, T. Characterization of K-complexes and slow wave activity in a neural mass model. *PLoS Computational Biology*, 10, 2014

Ngo, H.-V. V., Martinetz, T., Born, J. and Mölle, M. Auditory Closed-Loop Stimulation of the Sleep Slow Oscillation Enhances Memory. *Neuron*, 78, 2013.

Ngo, H.-V. V., Claussen, J. C., Born, J., and Mölle, M. Induction of slow oscillations by rhythmic acoustic stimulation. *Journal of Sleep Research*, 22, 2013.

Mayer, J., **Ngo, H.-V. V.**, and Schuster, H. G.: Dynamical Mean-Field Equations for a Neural Network with Spike Timing Dependent Plasticity. *Journal of Statistical Physics*, 148, 2012.

Mayer, J., Schuster, H. G., **Ngo, H.-V. V.**, Mölle, M., and Born, J. Differential influence of sinusoidal and noisy inputs on synaptic connections in a network with STDP. *Europhysics Letters*, 98, 2012.

Ngo, H.-V. V., Köhler, J., Mayer, J., Claussen, J. C., and Schuster, H. G. Triggering up states in all-to-all coupled neurons. *Europhysics Letters*, 89, 2010.