

The summer is there – so let's plan for the end of the summer!

SARDINIA RETREAT 2015

By now everyone who plans to attend our outstanding meeting in Sardinia should have a booked flight (confirmation email) and a filled the Reisekostenantrag. If not get in contact with me NOW!

The meeting will start on Saturday evening (26th of September) with a key lecture by Jan and will end on Wednesday afternoon (30th September). As a keynote speaker we are proud to announce Reto Huber, University of Zurich, Switzerland.

We will have a day off on Tuesday and we would like to organize some activities you can choose from beforehand. So everyone who has an idea on what to do, and who would like to help with the organization of such activity, is invited to write us an email.

Please be reminded that everyone is in charge to organize/book their cars to drive from the Airport to the Hotel. Transportation from the Airport is not organized/booked neither paid by the Institute!

If you have further questions please contact us: Hannes (hannes.noack@uni-tuebingen.de), Niels (niels.niethard@uni-tuebingen.de), Albrecht (albrecht.vorster@uni-tuebingen.de)

We have a winner!

Institute LOGO Design Contest

In March 2015 we wrote out a competition for designing our institute's logo. In June we awarded the prize for the best logo design. Albrecht Vorster, the happy winner, has put in all his thinking, creativity, and acting talent. See for yourself:



For his beautiful design, Albrecht received a 50 Euros voucher from Osiander. We hope he can use it well! Albrecht, as well as the rest of us, is now excited to see how the logo will develop and when it will be put to use. The Communication Committee is setting things in action to make it happen as soon as possible. We will keep you updated!

Welcoming New Colleagues

MP User Manual: A Guide For New Colleagues

Every year our Institute is receiving new students and researchers planning to stay with us for short and long term. And, as we know how hard it is to start with the actual work, mainly because of all the paperwork, forms, and things that must be organized, as Communication Committee we are creating the first ("beta" version) MP User Manual. This manual is planned to contain relevant information concerning the internal organization of the institute, as well as very general useful information like 'how to find accommodation in Tübingen', 'how does Health Insurance work', 'how does the public transportations system in Tübingen work', etc. We are about to send this first version (unformatted), in order to get some feedback from you!

DZD Award For Young Scientists And the winner is: MATTHIAS THIENEL!



"I was totally surprised and didn't expect that at all. It is a great honor for me and I hope that I can contribute to the field with more amazing results in the future"

Happy Birthday Niels!

Full professor since 1975, numerous scientific "children" all over the place, and a sky-rocketing publication output, Niels has been the most stimulating experimental psychologist and one of the most inspiring people both within and outside of science. This year he put an incredible seven before a zero, enough reason for another "Happy Birthday to you"! Those who've seen him dancing in Sardinia or celebrating his birthday with piano music until late into the morning truly understand the difference between chronological and biological age (Belsky et al., 2015, PNAS). Therefore, we can confidently wish you many many happy returns of the day!

We are proud to announce that Matthias Thienel has just received one of the prestigious DZD Awards for young scientists to honor his presentation at the 2014 Donders Discussions, an international cognition and neuroscience conference for and by PhD students that was hosted by the Donders Institute for Brain, Cognition and Behaviour in Nijmegen (Netherlands) in October 2014. Matthias presented new and intriguing results on oxytocin's contribution to the control of food intake in humans that clearly indicate that oxytocin is more than a hormone that makes you trust and cuddle each other - it also regulates how much you eat. The DZD Awards are awarded yearly by the German Center for Diabetes Research, an Initiative of the Federal Ministry for Education and Research, for outstanding talks and posters by young scientists in the field of diabetes and metabolism. Matthias received his award - which came with 1000 Euro - at the DZD Workshop in Munich on 20 May 2015, an honorable event that culminated in style at the Weißes Bräuhaus in the centre of Munich. Congratulations!



Integrating our science with the world MP Collaboration Map

This year the Communication Committee started the "Collaboration Map" project. The idea is to collect the information about any kind of collaboration that a member of the Institute has, in order to provide this information to the rest of our colleagues. Thus, promoting mobility, strengthening already existing collaborations, as well as creating new ones. If you want to share this information with the rest of the Institute, please send us an email: comm-mp@medizin.uni-tuebingen.de, specifying the institution, country, and contact person (additionally you could add info about the status of the collaboration). In the first instance, this information will be only available for members of the Institute.

Who is who in sleep research?

If you ever wanted to know who is big in sleep research maybe this will interest you. Our colleague Albrecht had a little fun while searching for papers about sleep and wanted to share this with you. He searched for all the papers from Science, Nature, Nature Neuroscience, and Neuron with the word "sleep" in it. The name cloud represents how often a person appeared as an author of one of those papers - the bigger the name the more times the person authored one of the sleep papers. Hope that's also fun for you and thanks to Albrecht!



MP PUBLICATIONS

This list is not exhaustive. We will always miss some publications (or have to shorten because of available space). But everyone is welcome to send us their new publications whenever they come out so we can include them!

- Feld GB, Born J. Neuroscience. Exploiting sleep to modify bad attitudes. *Science*. 2015 May 29;348(6238):971-2.
- Rasch B, Born J. In search of a role of REM sleep in memory formation. *Neurobiol Learn Mem*. 2015 May 6. pii: S1074-7427(15)00082-9.
- Mayer K, Wyckoff SN, Fallgatter AJ, Ehlis AC, Strehl U. Neurofeedback as a nonpharmacological treatment for adults with attention-deficit/hyperactivity disorder (ADHD): study protocol for a randomized controlled trial. *Trials*. 2015 Apr 18;16(1):174.
- Nettersheim A, Hallschmid M, Born J, Diekelmann S. The role of sleep in motor sequence consolidation: stabilization rather than enhancement. *J Neurosci*. 2015 Apr 29;35(17):6696-702.
- Ngo HV, Miedema A, Faude I, Martinetz T, Mölle M, Born J. Driving sleep slow oscillations by auditory closed-loop stimulation-a self-limiting process. *J Neurosci*. 2015 Apr 29;35(17):6630-8.
- Kaida K, Niki K, Born J. Role of sleep for encoding of emotional memory. *Neurobiol Learn Mem*. 2015 May;121:72-9.
- Spetter MS, Hallschmid M. Intranasal Neuropeptide Administration To Target the Human Brain in Health and Disease. *Mol Pharm*. 2015 Apr 28. [Epub ahead of print]
- Papadelis C, Grant PE, Okada Y, Preissl H. Editorial on emerging neuroimaging tools for studying normal and abnormal human brain development. *Front Hum Neurosci*. 2015 Mar 11;9:127.
- Ramos-Murguialday A, Birbaumer N. Brain oscillatory signatures of motor tasks. *J Neurophysiol*. 2015 Mar 25;jn.00467.2013. doi: 10.1152/jn.00467.2013.
- Mayer K, Wyckoff SN, Strehl U. Underarousal in Adult ADHD: How Are Peripheral and Cortical Arousal Related? *Clin EEG Neurosci*. 2015 Mar 23. pii: 1550059415577544.
- Konicar L, Veit R, Eisenbarth H, Barth B, Tonin P, Strehl U, Birbaumer N. Brain self-regulation in criminal psychopaths. *Sci Rep*. 2015 Mar 24;5:9426.
- Caria A, de Falco S. Anterior insular cortex regulation in autism spectrum disorders. *Front Behav Neurosci*. 2015 Mar 6;9:38. eCollection 2015.
- Kullmann S, Heni M, Veit R, Scheffler K, Machann J, Häring HU, Fritsche A, Preissl H. Selective insulin resistance in homeostatic and cognitive control brain areas in overweight and obese adults. *Diabetes Care*. 2015 Jun;38(6):1044-50.
- Rimmele U, Besedovsky L, Lange T, Born J. Emotional memory can be persistently weakened by suppressing cortisol during retrieval. *Neurobiol Learn Mem*. 2015 Mar;119:102-7.
- Kullmann S, Schweizer F, Veit R, Fritsche A, Preissl H. Compromised white matter integrity in obesity. *Obes Rev*. 2015 Apr;16(4):273-81.
- Diekelmann S, Born J. Cueing fear memory during sleep--to extinguish or to enhance fear? *Sleep*. 2015 Mar 1;38(3):337-9.
- Ramos-Murguialday A, García-Cossio E, Walter A, Cho W, Broetz D, Bogdan M, Cohen LG, Birbaumer N. Decoding upper limb residual muscle activity in severe chronic stroke. *Ann Clin Transl Neurol*. 2015 Jan;2(1):1-11.
- Yilmaz O, Birbaumer N, Ramos-Murguialday A. Movement related slow cortical potentials in severely paralyzed chronic stroke patients. *Front Hum Neurosci*. 2015 Jan 15;8:1033.
- Friedrich M, Wilhelm I, Born J, Friederici AD. Generalization of word meanings during infant sleep. *Nat Commun*. 2015 Jan 29;6:6004.
- Chaudhary U, Birbaumer N, Curado MR. Brain-machine interface (BMI) in paralysis. *Ann Phys Rehabil Med*. 2015 Feb;58(1):9-13.
- Wolf S, Brölz E, Keune PM, Wesa B, Hautzinger M, Birbaumer N, Strehl U. Motor skill failure or flow-experience? Functional brain asymmetry and brain connectivity in elite and amateur table tennis players. *Biol Psychol*. 2015 Feb;105:95-105.
- Marx AM, Ehlis AC, Furdea A, Holtmann M, Banaschewski T, Brandeis D, Rothenberger A, Gevensleben H, Freitag CM, Fuchsberger Y, Fallgatter AJ, Strehl U. Near-infrared spectroscopy (NIRS) neurofeedback as a treatment for children with attention deficit hyperactivity disorder (ADHD)-a pilot study. *Front Hum Neurosci*. 2015 Jan 7;8:1038.