

**Key facts:** (8.7.2020)

(Peer-reviewed, English) Publications: >95

Citations: >10.057

h-Index: 46

## Manuel SCHABUS

### Complete list of publications

#### Publications and Presentations

\* Contributed  
equally.

#### Manuscripts (in chronological order)

Note: Impact factors correspond to “ISI Web of Knowledge 5-year impact factors”

#### Preprints – non-peer reviewed

Hahn, M.A., Bothe, K., Heib, D. P. J., Schabus, M., Helfrich, R. F., & Hoedlmoser, K. (2021). Slow oscillation-spindle coupling strength predicts real-life gross-motor learning in adolescents and adults. *bioRxiv* 2021.01.21.427606; doi: <https://doi.org/10.1101/2021.01.21.427606>

Angerer, M., Pichler, G., Angerer, B., Scarpatetti, M., Schabus, M., & Blume, C. (2020). From Dawn to Dusk – Mimicking Natural Daylight Exposure Improves Circadian Rhythm Entrainment in Patients with Severe Brain Injury. *OSF Preprints*. doi: <https://doi.org/10.31219/osf.io/vk2d6>

Blume, C., & Schabus, M. (2019). Sentinel or rather standby? Regardless of terminology, information processing continues during sleep. *OSF Preprints*. DOI : <https://doi.org/10.31219/osf.io/bq8hr>

#### 2021

Florea, C., Topalidis, P., Hauser, T., Angerer, M., Kurapov, A., Alberto Beltran Leon, C., Soares Brandão, D., & Schabus, M. (2021). Sleep during COVID-19 lockdown: A cross-cultural study investigating job system relevance. *Biochemical Pharmacology*, [114463]. <https://doi.org/10.1016/j.bcp.2021.114463>

Werner, G. G., Schabus, M., Blechert, J., & Wilhelm, F. H. (2021). Differential Effects of REM Sleep on Emotional Processing: Initial Evidence for Increased Short-term Emotional Responses and Reduced Long-term Intrusive Memories. *Behavioral Sleep Medicine*, 19(1), 83-98. DOI : <https://doi.org/10.1080/15402002.2020.1713134>

#### 2020

Angerer, M., Schabus, M., Raml, M., Pichler, G., Kunz, A. B., Scarpatetti, M., Trinkla, E., & Blume, C. (2020). Actigraphy in brain-injured patients - A valid measurement for assessing circadian rhythms? *BMC Medicine*, 18(1), [106]. DOI: <https://doi.org/10.1186/s12916-020-01569-y>

Blume, C., Hauser, T., Gruber, W. R., Heib, D. P. J., Winkler, T., & Schabus, M. (2020). ‘How does Austria sleep?’ Self-reported sleep habits and complaints in an online survey. *Sleep and Breathing*, 24, 735–741. DOI: <https://doi.org/10.1007/s11325-019-01982-5>

Blume, C., & Schabus, M. (2020). Perspective: Daylight Saving Time - An Advocacy for a Balanced View and against Fanning Fear. *Clocks & Sleep*, 2(1), 19-25. DOI: <https://doi.org/10.3390/clockssleep2010003>

Hahn, M., Heib, D., Schabus, M., Hoedlmoser, K., & Helfrich, R.F. (2020). Slow oscillation-spindle coupling predicts enhanced memory formation from childhood to adolescence. *eLife*, 9, e53730, pp. 1-21. DOI: <https://doi.org/10.7554/eLife.53730>

Lang, A., Del Giudice, R., & Schabus, M. (2020). Sleep, Little Baby: The Calming Effects of Prenatal Speech Exposure on Newborns’ Sleep and Heart rate. *Brain Sciences*, 10(8), [511]. DOI : <https://doi.org/10.3390/brainsci10080511>

Lang, A., Ott, P., del Giudice, R., & Schabus, M. (2020). Memory Traces Formed in Utero—Newborns’ Autonomic and Neuronal Responses to Prenatal Stimuli and the Maternal Voice. *Brain Sciences*, 10(11), [837]. DOI: <https://doi.org/10.3390/brainsci10110837>

Ros, T., Enriquez-Geppert, S., Zotev, V., Young, K. D., Wood, G., Whitfield-Gabrieli, S., ... Schabus, M., ...Thibault, R. T. (2020). Consensus on the reporting and experimental design of clinical and cognitive-behavioural neurofeedback studies (CRED-nf checklist). *Brain*, 143(6), 1674–1685. DOI: <https://doi.org/10.1093/brain/awaa009>

Schabus, M. (2020). Gesunder Schlaf stärkt unser Immunsystem. *plus Magazin - Das Salzburger*

*Magazin für Gesundheit, Medizin & Freizeit*, 2020(13), 31-33.

van Schalkwijk, F.J., Hauser, T., Hoedlmoser, K., Ameen, M.S., Wilhelm, F.H., Sauter, C., Klösch, G., Moser, D., Gruber, G., Anderer, P., Saletu, B., Parapatics, S., Zeitlhofer, J. & Schabus, M. (2020). Procedural memory consolidation is associated with heart rate variability and sleep spindles. *Journal of Sleep Research*, 29(3), [e12910]. DOI: <https://doi.org/10.1111/jsr.12910>

## 2019

Abel, M., Haller, V., Köck, H., Pötschke, S., Heib, D., Schabus, M., & Bäuml, K.T. (2019). Sleep reduces the testing effect - but not after corrective feedback and prolonged retention interval. *Journal of Experimental Psychology: Learning, Memory and Cognition*, 45(2), 272-287. DOI: <http://dx.doi.org/10.1037/xlm0000576>

Ameen, M., Cheung, L. M., Hauser, T., Hahn, M., & Schabus, M. (2019). About the Accuracy and Problems of Consumer Devices in the Assessment of Sleep. *Sensors*, 19(19), [4160]. DOI : <https://doi.org/10.3390/s19194160>

Blume, C., Angerer, M., Raml, M., del Giudice, R., Santhi, N., Pichler, G., Kunz, A. B., Scarpatetti, M., Trinka, E., & Schabus, M. (2019). Healthier Rhythm, Healthier Brain? Integrity of Circadian Melatonin and Temperature Rhythms Relates to the Clinical State of Brain-Injured Patients. *European Journal of Neurology*, 26(8), 1051-1059. DOI: <https://doi.org/10.1111/ene.13935>

Blume, C., Hauser, T., Hahn, M., Winkler, T., Heib, D. P. J., Gruber, W. R., & Schabus, M. (2019). Wie schläft Österreich? Ergebnisse aus einer Umfrage zu Schlafgewohnheiten und Schlafproblemen. *Psychologie in Österreich*, 39(5), 355-362.

Hahn, M., Joechner, A.-K., Roell, J., Schabus, M., Heib, D.P.J., Gruber, G., Peigneux, P., & Hoedlmoser, K. (2019). Developmental changes of sleep spindles and their impact on sleep-dependent memory consolidation and general cognitive abilities: A longitudinal approach. *Developmental Science*, 22(1), [e12706]. DOI: <https://doi.org/10.1111/desc.12706>

Himmer, L., Schönauer, M., Heib, D.P.J., Schabus, M., & Gais, S. (2019). Rehearsal initiates systems memory consolidation, sleep makes it last. *Science Advances*, 5(4), [eaav1695]. DOI: <https://doi.org/10.1126/sciadv.aav1695>

Jegou, A., Schabus, M., Gosseries, O., Dahmen, B., Albouy, G., Desseilles, M., Sterpenich, V., Phillips, C., Maquet, P., Grova, C., & Dang-Vu, T.T. (2019). Cortical reactivations during sleep spindles following declarative learning. *NeuroImage*, 195, 104-112. DOI: <https://doi.org/10.1016/j.neuroimage.2019.03.051>

Rassi, E., Dorffner, G., Gruber, W., Schabus, M., & Klimesch, W. (2019). Coupling and Decoupling between Brain and Body Oscillations. *Neuroscience Letters*, 711, [134401]. DOI: <https://doi.org/10.1016/j.neulet.2019.134401>

Schabus, M., & Ameen, M. (2019). On the Reliability of Consumer Devices for the Assessment of Sleep. In M. Conti, G. Lebedev, N. Martinez Madrid, S. Orcioni, & R. Seepold (eds.), *EMBC Workshop Telemedicine and Telemonitoring in AALHome Environments* (S. 19-20). Reutlingen: Hochschule Reutlingen.

van Schalkwijk, F. J., Sauter, C., Hoedlmoser, K., Heib, D. P. J., Klösch, G., Moser, D., Gruber, G., Anderer, P., Zeitlhofer, J., & Schabus, M. (2019). The effect of daytime napping and full-night sleep on the consolidation of declarative and procedural information. *Journal of Sleep Research*, 28 (1), [e12649]. DOI: <https://doi.org/10.1111/jsr.12649>

Wielek, T., Del Giudice, R., Lang, A., Wislowska, M., Ott, P., & Schabus, M. (2019). On the development of sleep states in the first weeks of life. *PLoS ONE*, 14(10), [e0224521]. DOI: <https://doi.org/10.1371/journal.pone.0224521>

## 2018

Blume, C., del Giudice, R., Wislowska, M., Heib, D.P.J., & Schabus, M. (2018). Standing sentinel during human sleep: Continued evaluation of environmental stimuli in the absence of consciousness. *NeuroImage*, 178, 638–648. DOI: <https://doi.org/10.1016/j.neuroimage.2018.05.056>

Schabus, M. (2018). Reply: Noisy but not placebo: defining metrics for effects of neurofeedback.

*Brain*, 141(5), [e41]. DOI: <https://doi.org/10.1093/brain/awy061>

Schabus, M., Wislowska, W., Angerer, M., & Blume, C. (2018). Sleep and Circadian Rhythms in Severely Brain-Injured Patients – A Comment. *Clinical Neurophysiology*, 129(8), 1780-1784. DOI: <https://doi.org/10.1016/j.clinph.2018.03.048>

Wielek T., Lechinger J., Wislowska M., Blume C., Ott P., Wegenkittl S., del Giudice R., Heib D. P. J., Mayer H. A., Laureys S., Pichler G., & Schabus M. (2018). Sleep in patients with disorders of consciousness characterized by means of machine learning. *PLoS ONE*, 13(1), [e0190458]. DOI: <https://doi.org/10.1371/journal.pone.0190458>

Wislowska, M., Blume, C., Angerer, M., Wielek, T., & Schabus, M. (2018). Approaches to sleep in severely brain damaged patients – Further comments and replies to Kotchoubey & Pavlov. *Clinical Neurophysiology*, 129(12), 2680–2681. DOI: <https://doi.org/10.1016/j.clinph.2018.08.029>

Wislowska, M. & Schabus, M. (2018). What can we learn about brain functions from sleep EEG? Insights from sleep of DOC patients. In C. Schnakers, & S. Laureys (Eds), *Coma and Disorders of Consciousness* (pp. 155-168). London, UK: Springer, Cham. DOI: [https://doi.org/10.1007/978-3-319-55964-3\\_9](https://doi.org/10.1007/978-3-319-55964-3_9)

## 2017

Blume, C., del Giudice, R., Lechinger, J., Wislowska, M., Heib, D. P. J., Hoedlmoser, K., & Schabus, M. (2017). Preferential processing of emotionally and self-relevant stimuli persists in unconscious N2 sleep. *Brain & Language*, 167, 72-82. DOI: <https://doi.org/10.1016/j.bandl.2016.02.004> . *Impact factor: 3.274*.

Blume, C., Lechinger, J., Nayantara, S., del Giudice, R., Gnjezda, M.-T., Pichler, G., Scarpatetti, M., Donis, J., Michitsch, G., & Schabus, M. (2017). Significance of circadian rhythms in severely brain-injured patients: A clue to consciousness? *Neurology*, 88(20), 1933-1941. DOI: <https://doi.org/10.1212/WNL.0000000000003942> *Impact factor: 8.092*

Schabus, M. (2017). Reply: On assessing neurofeedback effects: should double-blind replace neurophysiological mechanisms? *BRAIN*, 140(10), [e64]. DOI: <https://doi.org/10.1093/brain/awx212>

Schabus, M., Griessenberger, H., Gnjezda, M.-T., Heib, D. P. J., Wislowska, M., & Hoedlmoser, K. (2017). Better than sham? A double-blind placebo-controlled neurofeedback study in primary insomnia. *BRAIN*, 140 (2), 1-12. DOI: <https://doi.org/10.1093/brain/awx011> . *Impact factor: 10.545*

Smith, D., Schabus, M., & Dang-Vu, T. T. (2017). Sleep: Implications for Theories of Dreaming and Consciousness. In J. Stein (Ed.) *Reference Module in Neuroscience and Biobehavioral Psychology* (pp. 357-373). Oxford (UK): Elsevier. DOI: <https://doi.org/10.1016/B978-0-12-809324-5.05972-1>

Werner, G.G., Ford, B.Q., Mauss, I.B., Schabus, M., Blechert, J., & Wilhelm, F.H. (2017). Cardiac Vagal Control and Depressive Symptoms: The Moderating Role of Sleep Quality. *Behavioral Sleep Medicine*, 15(6), 451-465. DOI: <https://doi.org/10.1080/15402002.2016.1150280> *Impact factor: 2.405*.

Wislowska, M., del Giudice, R., Lechinger, J., Wielek, T., Heib, D., Pitiot, A., Pichler, G., Michitsch, G., Donis, J. & Schabus, M. (2017). Night and day variations of sleep in patients with disorders of consciousness. *Scientific Reports*, 7 (266), 1-11. DOI: <https://doi.org/10.1038/s41598-017-00323-4> *Impact factor: 5.525*

Wislowska, M., Heib, D.P.J., Griessenberger, H., Hödlmoser, K., & Schabus, M. (2017). Individual baseline memory performance and its significance for sleep-dependent memory consolidation. *Sleep Spindles & Cortical Up States: A Multidisciplinary Journal*, 1(1), 2-13. DOI: <https://doi.org/10.1556/2053.1.2016.001>

## 2016

Blume, C., Santhi, N., & Schabus, M. (2016). ‘nparACT’ package for R: A free software tool for the

non-parametric analysis of actigraphy data. *MethodsX*, 3, 430-435. DOI: <https://doi.org/10.1016/j.mex.2016.05.006>

del Giudice, R., Blume, C., Wislowska, M., Lechinger, J., Heib, D.P.J., Pichler, G., Donis, J., Michitsch, G., Gnjezda, M.-T., Chinchilla, M., Machado, C., & Schabus, M. (2016). Can self-relevant stimuli help assessing patients with disorders of consciousness? *Consciousness and Cognition*, 44, 51-60. DOI: <https://doi.org/10.1016/j.concog.2016.06.013> *Impact factor: 2.428*

del Giudice, R., Blume, C., Wislowska, M., Wielek T., P.J. Heib, D.P.J., & Schabus, M. (2016). The Voice of Anger: Oscillatory EEG Responses to Emotional Prosody. *Plos One*, 11(7), [e0159429]. DOI: <https://doi.org/10.1371/journal.pone.0159429> *Impact Factor: 3.70*

File, N.\*, Keil, W.\*, Schabus, M.\*, & Sauer, J.\* (2016). Zur Bedeutsamkeit von psychotherapeutischer Forschung in der ÖGWG. *Zentriert*, 2/16, 10-11.

Lechinger, J., Wielek, T., Blume, C., Pichler, G., Michitsch, G., Donis, J., Gruber, W., & Schabus, M. (2016). Event-related EEG power modulations and phase connectivity indicate the focus of attention in an auditory own name paradigm. *Journal of Neurology*, 263(8), 1530-1543. DOI: <https://doi.org/10.1007/s00415-016-8150-z> *Impact factor: 3.349*.

Schabus, M. & van Schalkwijk, F. (2016). Lernen wie im Schlaf. *VSAO Journal*, 2/2016, 37-38.

Thul, A., Lechinger, J., Donis, J., Michitsch, G., Pichler, G., Jordan, D., Ilg, R., & Schabus, M. (2016). EEG entropy measures indicate decrease of cortical information processing in Disorders of Consciousness. *Clinical Neurophysiology*, 127, 1419–1427. DOI: <https://doi.org/10.1016/j.clinph.2015.07.039> *Impact factor: 3.477*.

## 2015

Blume, C., Del Giudice, R., Wislowska, M., Lechinger, J., & Schabus, M. (2015). Across the consciousness continuum-from unresponsive wakefulness to sleep. *Frontiers in Human Neuroscience*, 9, [105]. DOI: <https://doi.org/10.3389/fnhum.2015.00105> *Impact factor: 3.634*

Blume, C., Lechinger, J., del Giudice, R., Wislowska, M., Heib, D.P.J., & Schabus, M. (2015). EEG oscillations reflect the complexity of social interactions in a non-verbal social cognition task using animated triangles. *Neuropsychologia*, 75, 330-340. DOI: <https://doi.org/10.1016/j.neuropsychologia.2015.06.009> *Impact factor: 4.178*

Gruber, G., Anderer, P., Parapatics, S., Saletu, B., Schabus, M., Klimesch, W., Klösch, G., & Zeitlhofer, J. (2015). Involvement Of Sleep Spindles In Overnight Declarative Memory Stabilization – Effects Of Time Of Incidence And Spindle Type. *Somnology*, 19(1), 30-37. DOI: <https://doi.org/10.1007/s11818-015-0699-8>

Heib, D.P., Hoedlmoser, K., Anderer, P., Gruber, G., Zeitlhofer, J., Schabus, M. (2015). Oscillatory Theta Activity during Memory Formation and Its Impact on Overnight Consolidation: A Missing Link? *Journal of Cognitive Neuroscience*, 27 (8), 1648-1658. DOI: [https://doi.org/10.1162/jocn\\_a\\_00804](https://doi.org/10.1162/jocn_a_00804) *Impact factor: 5.259*

Hoedlmoser, K., Birklbauer, J., Schabus, M., Eibenberger, P., Rigler, S., & Mueller, E. (2015). The impact of diurnal sleep on the consolidation of a complex gross motor adaptation task. *Journal of Sleep Research*, 24(1), 100-109. DOI: <https://doi.org/10.1111/jsr.12207> *Impact factor: 3.732*

Lechinger, J., Heib, D.P.J., Gruber, W., Schabus, M., & Klimesch, W. (2015). Heartbeat-related EEG amplitude and phase modulations from wakefulness to deep sleep: Interactions with sleep spindles and slow oscillations. *Psychophysiology*, 52(11), 1441 - 1450. DOI: <https://doi.org/10.1111/psyp.12508> *Impact factor: 3.074*.

Schabus, M. (2015). Voice Marks - Afterword: Prof. Manuel Schabus. In P. A. Lewis & R. Page (Eds.), *Spindles: Stories from the Science of Sleep* (pp. 179-186). Manchester, UK: Comma Press. ISBN-13: 9781905583690

Sterzer, L., Schabus, M., Bäuml, K.-H. T., & Kerschbaum, H. H. (2015). Intentional updating in episodic memory: Low testosterone associates with enhanced memory updating. *Neuroendocrinology Letters*, 36(3), 196-200. *Impact factor: 1.004*

Werner, G.G., Ford, B.Q., Mauss, I.B., Schabus, M., Blechert, J., & Wilhelm, F.H. (2015). High

cardiac vagal control is related to better subjective and objective sleep quality. *Biological Psychology*, 106, 79-95. DOI: <https://doi.org/10.1016/j.biopsycho.2015.02.004> *Impact factor*: 4.085

Werner, G.G., Schabus, M., Blechert, J., Kolodyazhniy, V. & Wilhelm, F.H. (2015). Pre- to postsleep change in psychophysiological reactivity to emotional films: Late-night REM sleep is associated with attenuated emotional processing. *Psychophysiology*, 52(6), 813-825. DOI: <https://doi.org/10.1111/psyp.12404> *Impact factor*: 3.696

## 2014

Cologan, V.\*, & Schabus, M.\* (2014). Sleep in Disorders of Consciousness. In C. Schnakers, & S. Laureys (Eds), *Coma and Disorders of Consciousness* (pp. 85-95). London, UK: Springer-Press.

del Giudice, R., Lechinger, J., Wislowska, M., Heib, D.P.J., Hoedlmoser, K. & Schabus, M. (2014). Oscillatory brain responses to own names uttered by unfamiliar and familiar voices. *Brain Research*, 1591, 63–73. *Impact factor*: 2.856.

del Giudice, R.\*, Wislowska, M.\* & Schabus, M. (2014). Current Neuroscientific Progress in Disorder of Consciousness Research. In Herzog, E.M., Bauer H.C. & Lametschwandtner, A. (Eds.), *Blickpunkt: Leben. Am Rande des Daseins?* (pp. 29-46). Salzburg, SL: Norderstedt

File, N.\*, Keil, W.\*, Sauer, J., & Schabus, M\*. (2014). Ansätze zur empirischen Forschung in der Klientenzentrierten Psychotherapie in Österreich. *PERSON*, 18(1), 1-13.

Gruber, W.R., Zauner, A., Lechinger, J., Schabus, M., Kutil, R., & Klimesch, W. (2014). Alpha phase, temporal attention, and the generation of early event related potentials. *Neuroimage*, 103, 119–129. *Impact factor*: 6.797.

Heib, D. P. J., Hoedlmoser, K., & Schabus, M. (2014). Experimentelle Manipulation von Prozessen der Gedächtniskonsolidierung im Schlaf. In H. Schulz, P. Geisler & A. Rodenbeck (Eds.), *Kompodium Schlafmedizin* (Vol. 23, Kapitel II-9.4). Landsberg: ecomed Medizin.

Hoedlmoser, K., Heib, D., Roell, J., Peigneux, P., Sadeh, A., Gruber, G., & Schabus, M. (2014). Slow sleep spindle activity, declarative memory and general cognitive abilities in children. *SLEEP*, 37(9), 1501-1512. *Impact factor*: 5.753.

Hoedlmoser, K. & Schabus, M. (2014). Guter Schlaf – gute Noten?. Schlafspindeln, Schulleistungen und allgemeine kognitive Leistungsfähigkeit. B. Schneider (Ed.). *Aktuelle Kinderschlafmedizin 2014* (pp. 14-17). Dresden: kleanthes.

Schabus, M., Heib, D. P. J., & Hoedlmoser, K (2014). Informationsbahnung temporärer und dauerhafter Muster im Schlaf. In H. Schulz, P. Geisler & A. Rodenbeck (Eds.), *Kompodium Schlafmedizin* (Vol. 23, Kapitel II-4.1). Landsberg: ecomed Medizin.

Schabus, M., Heib, D.P.J., Lechinger, J., Griessenberger, H., Klimesch, W., Pawlizki, A., Kunz, A.B., Serman, B.M., & Hoedlmoser, K. (2014). Enhancing sleep quality and memory in insomnia using instrumental sensorimotor rhythm conditioning. *Biological Psychology*, 95, 126-134. *Impact factor*: 4.085

Wislowska M.\*, del Giudice R.\*, & Schabus M. (2014). Searching for neuronal correlates of consciousness – What we learn from coma and disorders of consciousness. *Journal of Functional Neurology, Rehabilitation, and Ergonomics*, 4(2-3), 135-147.

Vogel, F., von Rauchhaupt, N., Oberender, S., Moser, M., Schernhardt, P., & Schabus, M. (2014). Kleine Babys, große Probleme. Therapeutische Interaktionsanalyse und videobasierte Intervention bei Kleinkindern mit Regulationsstörungen. *Psychologie in Österreich*, 5, 358- 371.

Voinescu, B. I., Wislowska, M. & Schabus, M. (2014). Assessment of SOMNOwatch plus EEG for sleep monitoring in healthy individuals. *Physiology & Behavior*, 132, 73-78. *Impact factor*: 3.339

## 2013

Griessenberger, H., Heib, D.P.J., Kunz, A.B., Hoedlmoser, K., & Schabus, M. (2013). Assessment of a wireless headband for automatic sleep scoring. *Sleep and Breathing*, 17(2), 747-752. *Impact factor*: 2.018

Griessenberger, H., Heib, D.P.J., Lechinger, J., Luketina, N., Petzka, M., Möckel, T., Hoedlmoser, K., & Schabus, M. (2013). Susceptibility to declarative memory interference is pronounced in primary

insomnia. *Plos ONE*, 8(2), [e57394]. *Impact factor*: 4.537

Heib, D.P.J., Hoedlmoser, K., Anderer, P., Zeitlhofer, J., Gruber, G., Klimesch, W., & Schabus, M. (2013). Slow oscillation amplitudes and up-state lengths relate to memory improvement. *PLoS ONE*, 8(12), [e82049]. *Impact factor*: 4.244

Lechinger, J., Bothe, K., Pichler, G., Michitsch, G., Donis, J., Klimesch, W., & Schabus, M. (2013). CRS-R score in Disorders of Consciousness is strongly related to spectral EEG at rest. *Journal of Neurology*, 260(9), 2348-2356. *Impact factor*: 3.47

Lechinger, J., Chwala-Schlegel, N., Fellingner, R., Donis, J., Michitsch, G., Pichler, G., & Schabus, M. (2013). Mirroring of a simple motor behavior in Disorders of Consciousness. *Clinical Neurophysiology*, 124(1), 27-34. *Impact factor*: 3.298

Wisłowska, M., Werner, G. G., Moeckel, T., Heib, D. P. J., Hoedlmoser, K., & Schabus, M. (2013). Sleep, Memory and Emotions. In C. Mohiyeddini, M. Eysenck & S. Bauer (Eds.), *Handbook of Psychology of Emotions: Recent Theoretical Perspectives and Novel Empirical Findings* (Vol. 1, pp. 505-516). New York, USA: Nova Publishers.

## 2012

Boly, M., Perlberg, V., Marrelec, G., Schabus, M., Laureys, S., Doyon, J., Pelegrini-Issac, M., Maquet, P., & Benali, H. (2012). Hierarchical clustering of brain activity during human nonrapid eye movement sleep. *Proceedings of the National Academy of Sciences USA*, 109(15), 5856-5861. *Impact factor*: 10.369

Chwala-Schlegel, N., & Schabus, M. (2012). Neuroscientific progress using EEG in disorders of consciousness research. In R. J. Jox, K. Kühlmeyer, G. Marckmann, & E. Racine (Hrsg.), *Vegetative State - A Paradigmatic Problem of Modern Societies* (pp. 41-55). Munich, Germany: LIT-Verlag. ISBN 978-3-643-90097-5

Dang-Vu, T.T., Schabus, M., Cologan, V., & Maquet, P. (2012). Sleep: Dreaming and Consciousness. In D. Barrett & P. McNamara (Eds.), *Encyclopedia of Sleep and Dreams*. Westport (USA): Greenwood Press.

Griessenberger, H., Hoedlmoser, K., Heib, D., Lechinger, J., Klimesch, W., & Schabus, M. (2012). Consolidation of temporal order in episodic memories. *Biological Psychology*, 91(1), 150-155. *Impact factor*: 4.120

Hoedlmoser, K., Roell, J., Peigneux, P., Sadeh, A., Klimesch, W., & Schabus, W. (2012). Sleep spindles and its relation to declarative memory performance as well as (emotional) intelligence. In W. Sauseng (Ed.), *Aktuelle Kinderschlafmedizin 2012* (pp. 39-44). Dresden: kleanthes.

Schabus, M., Dang-Vu, T., Heib, D.P.J., Boly, M., Desseilles, M., Vandewalle, G., Schmidt, C., Albouy, G., Darsaud, A., Gais, S., Degueldre, C., Baiteau, E., Phillips, C., Luxen, A., & Maquet, P. (2012). The fate of incoming stimuli during NREM sleep is determined by spindles and the phase of the slow oscillation. *Frontiers in Neurology*, 3(40), 1-11. *Impact factor*: 3.184

Schabus, M., File, N. & Keil, W. (2012). Klientenzentrierte Psychotherapie in Österreich - Eine demographische Erhebung der ÖGWG. *Zeitschrift Zentriert*, 12(2), 8-10.

Schabus, M. (2012). Encyclopedia entries „Sleep in Disorders of Consciousness“; „Sleep Spindles“; and „The stages of sleep and associated waveforms“. In D. Barrett & P. McNamara (Eds.), *Encyclopedia of Sleep and Dreams: The Evolution, Function, Nature, and Mysteries of Slumber*. Santa Barbara, CA: Greenwood Publishers / ABC-Clio.

Schmidt, C., Peigneux, P., Leclercq, Y., Sterpenich, V., Vandewalle, G., Phillips, C., Berthomier, P., Berthomier, C., Tinguely, G., Gais, S., Schabus, M., Desseilles, M., Dang-Vu, T., Salmon, E., Degueldre, C., Baiteau, E., Luxen, A., Cajochen, C., Maquet, P., & Collette, F. (2012). Circadian Preference Modulates the Neural Substrate of Conflict Processing across the Day. *PLoS One*, 7(1), [e29658].

## 2011

Dang-Vu, T., Bonjean, M., Schabus, M., Boly, M., Darsaud, A., Desseilles, M., Degueldre, C., Baiteau, E., Phillips, C., Luxen, A., Sejnowski, T.J., & Maquet, P. (2011). Interplay between spontaneous and induced brain activity during human non-rapid eye movement sleep. *Proceedings of the National Academy of Sciences USA*, 108, 15438-15443. *Impact factor*: 10.369

Demertzi, A., Schabus, M., Weilhart, K., Roehm, D., Bruno, M-A., & Laureys, S. (2011). Wachkoma:

medizinische Grundlagen und neurowissenschaftliche Revolution. In R. J. Jox, G. D. Borasio, & K. Kühlmeyer (Hrsg.), *Leben im Koma: Interdisziplinäre Perspektiven auf das Problem des Wachkomas*. Stuttgart, Germany: W. Kohlhammer GmbH.

Desseilles, M., Dang-Vu, T. T., Schabus, M., Hoedlmoser, K., Piguët, C., Bonjean, M., Schwartz, S., & Maquet, P. (2011). Neuroimaging Insights into Insomnia. In Y. E. Soriento (Ed.), *Melatonin, Sleep and Insomnia* (pp.335-354). New York: Nova Science Publishers. ISBN: 978-1-61122-834-2

Desseilles, M., Dang-Vu, T. T., Schabus, M., Sterpenich, V., Mascetti, L., Foret, A., Matarazzo, L., Maquet, P., & Schwartz, S. (2011). Neuroimaging Insights into the Dreaming Brain. In Y. E. Soriento (Ed.), *Melatonin, Sleep and Insomnia* (pp.355-371). New York: Nova Science Publishers.

Fellinger, R., Klimesch, W., Schnakers, C., Perrin, F., Freunberger, R., Gruber, W., Laureys, S., & Schabus, M. (2011). Cognitive processes in disorders of consciousness as revealed by EEG time-frequency analyses. *Clinical Neurophysiology*, 122(11), 2177-2184. Impact factor: 3.476

Mascetti, L., Foret, A., Bourdieu, A. S., Muto, V., Kusse, C., Jaspar, M., Matarazzo, L., Dang-Vu, T., Schabus, M., & Maquet, P. (2011). Spontaneous neural activity during human non-rapid eye movement sleep. *Progress in Brain Research*, 193, 111-118.

Hödlmoser, K., Birklbauer, J., Rigler, S., Mueller, E., & Schabus, M. (2011). EEG recorded during gross-motor behavior. *Brain Products Press Release*, 40, 11-12.

Hoedlmoser, K., Dang-Vu, T. T., Desseilles, M., & Schabus, M. (2011). Non-pharmacological alternatives for the treatment of insomnia – Instrumental EEG conditioning, a new alternative? In Y. E. Soriento (Ed.), *Melatonin, Sleep and Insomnia* (pp.69-101). New York: Nova Science Publishers.

Hoedlmoser, K., Griessenberger, H., Fellinger, R., Freunberger, R., Klimesch, W., Gruber, W., & Schabus, M. (2011). Event-related activity and phase locking during a psychomotor vigilance task over the course of sleep deprivation. *Journal of Sleep Research*, 20(3), 377-385. Impact factor: 3.653

Schabus, M., Pelikan, C., Chwala-Schlegel, N., Weillhart, K., Roehm, D., Donis, J., Michitsch, G., Pichler, G., Klimesch, W. (2011). Oscillatory brain activity in vegetative and minimally conscious state during a sentence comprehension task. *Functional Neurology*, 36(1), 31-36. Impact factor: 1.077

Darsaud, A., Wagner, U., Baiteau, E., Desseilles, M., Sterpenich, V., Vandewalle, G., Albouy, G., Dang-Vu, T., Collette, F., Boly, M., Schabus, M., Degueldre, C., Luxen, A., & Maquet, P. (2011). Neural Precursors of Delayed Insight. *Journal of Cognitive Neuroscience*, 23(8), 1900-1910. Impact factor: 6.658

Darsaud, A., Dehon, H., Lahl, O., Sterpenich, V., Boly, M., Dang-Vu, T., Desseilles, M., Gais, S., Matarazzo, L., Schabus, M., Schmidt, C., Vandewalle, G., Luxen, A., Maquet, P., & Collette, F. (2011). Does Sleep Promote False Memories? *Journal of Cognitive Neuroscience*, 23(1), 26-40. Impact factor: 6.658

Schabus, M. (2011). Der Personenzentrierte Psychotherapieansatz und die Wissenschaft – Wohl oder Übel? *Zeitschrift Zentriert*, 11(1), 4-5.

Vanhaudenhuyse, A., Demertzi, A., Schabus, M., Noirhomme, Q., Bredart, S., Boly, M., Phillips, C., Soddu, A., Luxen, A., Moonen, G., & Laureys, S. (2011). Two distinct neuronal networks mediate the awareness of environment and of self. *Journal of Cognitive Neuroscience*, 23(3), 570-578. Impact factor: 6.658

## 2010

Cologan, V., Schabus, M., LeDoux, D., Moonen, G., Maquet, P., & Laureys, S. (2010). Sleep in disorders of consciousness. *Sleep Medicine Reviews*, 14, 97-105. Impact factor: 6.704

Dang-Vu, T.\*, Schabus, M.\*, Desseilles, M., Sterpenich, V., Bonjean, M., & Maquet, P. (2010). Functional Neuroimaging Insights into the Physiology of Human Sleep. *SLEEP*, 33(12), 1589-1603. Impact factor: 5.949

Hoedlmoser, K., Kloesch, G., Wiater, A., & Schabus, M. (2010) Self-reported sleep patterns, sleep problems and behavioral problems among school children aged 8 - 11 years. *Somnologie*, 14(1), 23–31.

Vandewalle, G., Schwartz, S., Grandjean, D., Vuilleumier, C., Baiteau, E., Degueldre, C., Schabus, M., Phillips, C., Luxen, A., Dijk, DJ., & Maquet, P. (2010). Spectral quality of light modulates emotional brain responses in humans. *Proceedings of the National Academy of Sciences USA*, 107(45), 19549-

54. Impact factor: 10.369

## 2009

Dang-Vu, T.T., Schabus, M., Cologan, V., & Maquet, P. (2009). Sleep: Implications for Theories of Dreaming and Consciousness. In W. Banks (Ed.), *Encyclopaedia of Consciousness* (pp. 357-373). Oxford (UK): Elsevier.

Desseilles, M., Balteau, E., Sterpenich, V., Dang-Vu, T.T., Darsaud, A., Vandewalle, G., Albouy, G., Salmon, E., Peters, F., Schmidt, C., Schabus, M., Gais, S., Degueldre, C., Phillips, C., Luxen, A., Ansseau, M., Maquet, P., & Schwartz, S. (2009). Abnormal neural filtering of irrelevant visual information in depression. *Journal of Neuroscience*, 29, 1395-1403. Impact factor: 7.930

Leclercq, Y., Balteau, E., Dang-Vu, T.T., Schabus, M., Luxen, A., Maquet, P., & Phillips, C. (2009). Rejection of pulse related artefact (PRA) from continuous electroencephalographic (EEG) time series recorded during functional magnetic resonance imaging (fMRI) using constraint independent component analysis (cICA). *NeuroImage*, 44(3), 679-691. Impact factor: 7.168

Schabus, M. (2009). Still missing some significant ingredients. Commentary on Genzel et al. Slow wave sleep and REM sleep awakenings do not affect sleep dependent memory consolidation. *SLEEP*, 32(3), 291-293. Impact factor: 5.949

Schmidt, C., Collette, F., Leclercq, Y., Sterpenich, V., Vandewalle, G., Berthomier, P., Berthomier, C., Philipps, C., Tinguely, G., Darsaud, A., Gais, S., Schabus, M., Desseilles, M., Dang-Vu, T.T., Salmon, E., Balteau, E., Degueldre, C., Luxen, A., Maquet, P., Cajochen, C., & Peigneux, P. (2009). Homeostatic sleep pressure and responses to sustained attention in the suprachiasmatic area. *Science*, 324(5926), 516-519. Impact factor: 31.052

Schmitz, R., Schabus, M., Perrin, F., Luxen, A., Maquet, P. & Peigneux, P. (2009). Recurrent boosting effects of short inactivity delays on performance: an ERPs study. *BMC Research Notes*, 2:170.

Schnakers, C., Perrin, F., Schabus, M., Hustinx, R., Majerus, S., Moonen, G., Boly, M., Vanhaudenhuyse, A., Bruno, M.A., & Laureys, S. (2009). Detecting consciousness in a total locked-in syndrome: an active event related paradigm. *Neurocase*, 15 (4), 271-277. Impact factor: 1.502

## 2008

Boly, M., Phillips, C., Tshibanda, L., Vanhaudenhuyse, A, Schabus, M., Dang-Vu, T.T., Moonen, G., Hustinx, R., Maquet, P., & Laureys, S. (2008). Intrinsic brain activity in altered states of consciousness – how conscious is the default mode of brain function? *Annals of the New York Academy of Sciences*, 1129, 119–129. Impact factor: 2.077

Dang-Vu, T.T., Schabus, M., Desseilles, M., Albouy, G., Boly, M., Darsaud, A., Gais, S., Rauchs, G., Sterpenich, V., Vandewalle, G., Carrier, J., Moonen, G., Balteau, E., Degueldre, C., Luxen, A., Phillips, C., & Maquet, P. (2008). Spontaneous neural activity during human slow wave sleep. *Proceedings of the National Academy of Sciences USA*, 105(39), 15160-15165. Impact factor: 10.369

Desseilles, M., Dang-Vu, T.T., Schabus, M., Sterpenich, V., Maquet, P., & Schwartz, S. (2008). Neuroimaging insights into the pathophysiology of sleep disorders. *SLEEP*, 31(6), 777-794. Impact factor: 4.698

Hoedlmoser, K., Pecherstorfer, T., Anderer, P., Doppelmayr, M., Klimesch, W. & Schabus, M. (2008). Instrumental conditioning of human sensorimotor rhythm (12-15Hz) and its impact on sleep as well as declarative learning. *SLEEP*, 31(10), 1401-1408. Impact factor: 4.698

Rauchs, G.\*, Schabus, M.\*, Parapatics, S., Bertran, F., Clochon, P., Hot, P., Denise, P., Desgranges, B., Eustache, F., Gruber, G., & Anderer, P. (2008). Is there a link between sleep changes and memory in Alzheimer's disease? *Neuroreport*, 19(11), 1159-1162. Impact factor: 2.484

Schabus, M., Hoedlmoser, K., Pecherstorfer, T., Anderer, P., Gruber, G., Parapatics, S., Sauter, C., Klösch, G., Klimesch, W., Saletu, B., & Zeitlhofer, J. (2008). Interindividual sleep spindle differences and their relation to learning-related enhancements. *Brain Research*, 1191, 127-35. Impact factor: 2.375

Schnakers, C., Perrin, F., Schabus, M., Majerus, S., Ledoux, D., Damas, P., Boly, M., Vanhaudenhuyse, A., Bruno, M.A., Moonen, G., & Laureys, S. (2008). Voluntary brain processing in

disorders of consciousness. *Neurology*, 71, 1614-1620. *Impact factor*: 6.213

## 2007

Dang-Vu, T.T., Schabus, M., Desseilles, M., Schwartz, S., & Maquet, P. (2007). Neuroimaging of REM sleep and dreaming. In P. McNamara & D. Barrett (Eds.). *New Science of Dreaming* (pp. 95-113). Westport (Connecticut, USA): Praeger.

Gais, S., Albouy, G., Boly, M., Dang-Vu, T.T., Darsaud, A., Desseilles, M., Rauchs, G., Schabus, M., Sterpenich, V., Vandewalle, G., Maquet, P., & Peigneux, P. (2007). Sleep transforms the cerebral trace of declarative memories. *Proceedings of the National Academy of Sciences USA*, 104(47), 18778-18783. *Impact factor*: 10.369

Schabus, M., Dang-Vu, T.T., Albouy, G., Baiteau, E., Boly, M., Carrier, J., Darsaud, A., Degueldre, C., Desseilles, M., Gais, S., Phillips, C., Rauchs, G., Schnakers, C., Sterpenich, V., Vandewalle, G., Luxen, A., & Maquet, P. (2007). Hemodynamic cerebral correlates of sleep spindles during human non-rapid eye movement sleep. *Proceedings of the National Academy of Sciences USA*, 104(32), 13164-13169. *Impact factor*: 10.369

Sterpenich, V., Albouy, G., Boly, M., Vandewalle, G., Darsaud, A., Baiteau, E., Dang-Vu, T.T., Desseilles, M., D'Argembeau, A., Gais, S., Rauchs, G., Schabus, M., Degueldre, C., Luxen, A., Collette, F., & Maquet, P. (2007). Sleep-related hippocampo-cortical interplay during emotional memory recollection. *PLoS Biology*, 5(11), e282. *Impact factor*: 14.991

Vandewalle, G., Gais, S., Schabus, M., Baiteau, E., Carrier, J., Darsaud, A., Sterpenich, V., Albouy, G., Dijk, D.J., & Maquet, P. (2007). Wavelength-dependent modulation of brain responses to a working memory task by daytime light exposure. *Cerebral Cortex*, 17(12), 2788-2795. *Impact factor*: 7.001

## 2006

Berner, I.\*, Schabus, M.\*, Wienerroither, T., & Klimesch, W. (2006). The significance of sigma neurofeedback training on sleep spindles and aspects of declarative memory. *Applied Psychophysiology and Biofeedback*, 31(2), 97-114. *Impact factor*: 1.661

Laureys, S., Giacino, J.T., Schiff, N.D., Schabus, M., & Owen, A.M. (2006). How should functional imaging of patients with disorders of consciousness contribute to their clinical rehabilitation needs? *Current Opinion in Neurology*, 19, 520-527. *Impact factor*: 4.807

Perrin, F., Schnakers, C., Schabus, M., Degueldre, C., Goldman, S., Brédart, S., Faymonville, M.E., Lamy, M., Moonen, G., Luxen, A., Maquet, P., & Laureys, S. (2006). Brain response to one's own name in vegetative state, minimally conscious state and locked-in syndrome. *Archives of Neurology*, 63(4), 562-569. *Impact factor*: 6.213

Schabus, M., Hödlmoser, K., Gruber, G., Sauter, C., Anderer, P., Klösch, G., Parapatics, S., Saletu, B., Klimesch, W., & Zeitlhofer, J. (2006). Sleep spindle-related activity in the human EEG and its relation to general cognitive and learning abilities. *European Journal of Neuroscience*, 23(7), 1738-1746. *Impact factor*: 4.110

## 2005

Dang-Vu, T.T., Desseilles, M., Albouy, G., Darsaud, A., Gais, S., Rauchs, S., Schabus, M., Sterpenich, S., Vandewalle, G., Schwartz, S., & Maquet, P. (2005). Dreaming: A neuroimaging view. *Swiss Archives of Neurology and Psychiatry*, 156(8), 415-425.

Hanslmayr, S., Sauseng, P., Doppelmayr, M., Schabus, M. & Klimesch, W. (2005). Increasing individual upper alpha power by neurofeedback improves cognitive performance in human subjects. *Applied Psychophysiology and Biofeedback*, 30(1), 1-10. *Impact factor*: 1.661

Sauseng, P., Klimesch, W., Schabus, M., & Doppelmayr, M. (2005). Fronto-parietal EEG coherence in theta and upper alpha reflect central executive functions of working memory. *International Journal of Psychophysiology*, 57(2), 97-103. *Impact factor*: 2.649

Sauseng, P., Klimesch, W., Stadler, W., Schabus, M., Doppelmayr, M., Hanslmayr, S., Gruber, W.R., & Birbaumer, N. (2005). A shift of visual spatial attention is selectively associated with human EEG alpha activity. *European Journal of Neuroscience*, 22(11), 2917-2926. *Impact factor*: 4.110

Schabus, M., Hödlmoser, K., Pecherstorfer, T., & Klösch, G. (2005). Influence of midday naps on declarative memory performance and motivation. *Somnologie*, 9(3), 148-153.

#### 2004

Klimesch, W., Schabus, M., Doppelmayr, M., Gruber, W., & Sauseng, P. (2004). Evoked oscillations and early components of event related potentials: An analysis. *International Journal of Chaos and Bifurcation*, 14(2), 705-718. *Impact factor: 1.211*

Klimesch, W., Schack, B., Schabus, M., Doppelmayr, M., Gruber, W., & Sauseng, P. (2004). Phase locked alpha and theta oscillations generate the P1-N1 complex and are related to memory performance. *Cognitive Brain Research*, 19(3), 302-316. *Impact factor: 3.855*

Sauseng, P., Klimesch, W., Doppelmayr, M., Hanslmayr, S., Schabus, M., & Gruber, W. (2004). Theta coupling in the human electroencephalogram during a working memory task. *Neuroscience Letters*, 354(2), 123-126. *Impact factor: 2.072*

Schabus, M., Gruber, G., Parapatics, S., Sauter, C., Klösch, G., Anderer, P., Klimesch, W., Saletu, B., & Zeitlhofer, J. (2004). Sleep spindles and their significance for declarative memory consolidation. *SLEEP*, 27(8), 1479-1485. *Impact factor: 4.698*

#### 2002

Sauseng, P., Klimesch, W., Gruber, W., Doppelmayr, M., Stadler, W., Schabus, M. (2002). The interplay between theta and alpha oscillations in the human electroencephalogram reflects the transfer of information between memory systems. *Neuroscience Letters*, 324, 121-124. *Impact factor: 2.072*

#### **Posters** (presenting author underlined)

*Selection of posters not otherwise yet presented or published:*

#### 2020

Schabus, M., Lang, A., Angerer, M., Florea, C., Ott, P., & Del Giudice, R. (2020). *Newborns' sleep during auditory stimulation - the role of perinatal memory and stimulus familiarity*. Poster presented at the 25th Congress of the European Sleep Research Society (ESRS) 2020, Virtual Congress, September 22<sup>nd</sup> – 24<sup>th</sup> 2020.

Schabus, M., Ott, P., Del Giudice, R., & Lang, A. (2020). *Prenatal learning and stimulus recognition in newborns using hdEEG, ECG and videography*. Poster presented at the 8th Annual Flux Virtual Congress, September 9<sup>th</sup> – 12<sup>th</sup> 2020.

#### 2019

Schabus, M., Angerer, M., Lang, A., & Ott, P. (2019). *Are prenatally learned nursery rhymes recognized at birth? A hdEEG study*. Poster presented at the 45<sup>th</sup> Annual Meeting "Psychologie und Gehirn", Dresden, Deutschland, June 20<sup>th</sup> – 22<sup>nd</sup> 2019.

Hauser, T., Gruber, W. R., Heib, D. P. J., Winkler, T., & Schabus, M. (2019). *"Wie schläft Österreich 2019?"*: *Online- Erhebung zu Schlafgewohnheiten und Schlafproblemen*. Poster presented at the 28<sup>th</sup> Annual Meeting of the Austrian Sleep Research Association (ASRA), Gmunden, Austria, May 2<sup>nd</sup> – 4<sup>th</sup> 2019.

#### 2018

Schabus, M., Lang, A., del Giudice, R., Wegenkittl, S., & Ott, P. (2018). *Are prenatally learned nursery rhymes recognized at birth? A high-density EEG study*. Poster presented at the 24<sup>th</sup> Meeting of the European Sleep Research Society (ESRS), Basel, Switzerland, September 25<sup>th</sup>-28<sup>th</sup> 2018.

Lang, A., del Giudice, R., Scholle, S., & Schabus, M. (2018). *Perinatal memory and the effect of auditory stimulation on newborns sleep*. Poster presented at the 24<sup>th</sup> Meeting of the European Sleep Research Society (ESRS), Basel, Switzerland, September 25<sup>th</sup>-28<sup>th</sup> 2018.

Ameen, M., Blume, C., Heib, D.P.J., Del Giudice, R., & Schabus, M. (2018). *Auditory stimulation*

*induces changes in sleep microstructure*. Poster presented at Salzburg Mind-Brain Annual Meeting (SAMBA) 2018, Salzburg, Austria, 12<sup>th</sup>–13<sup>th</sup> July, 2018.

Angerer, M., Blume, C., Raml, M., Wislowska, M., & Schabus, M. (2018). *Can heart rate variability contribute to the differential diagnosis of disorders of consciousness?*. Poster presented at Salzburg Mind-Brain Annual Meeting (SAMBA) 2018, Salzburg, Austria, 12<sup>th</sup>–13<sup>th</sup> July, 2018.

Hahn, M., Joechner, A.K., Heib, D.P.J., Schabus, M., & Hödlmoser, K. (2018). *Coupled memory consolidation? Slow oscillation-spindle-coupling from childhood to adolescence*. Poster presented at Salzburg Mind-Brain Annual Meeting (SAMBA) 2018, Salzburg, Austria, 12<sup>th</sup>–13<sup>th</sup> July, 2018.

Lang, A., Del Giudice, R., & Schabus, M. (2018). *Characteristics of perinatal memory in 2- and 5-weekold infants*. Poster presented at Salzburg Mind-Brain Annual Meeting (SAMBA) 2018, Salzburg, Austria, 12<sup>th</sup>–13<sup>th</sup> July, 2018.

Richlan, F., Fernández, S., & Schabus, M. (2018). *The effects of regular sports exercise on human brain structure*. Poster presented at Salzburg Mind-Brain Annual Meeting (SAMBA) 2018, Salzburg, Austria, 12<sup>th</sup>–13<sup>th</sup> July, 2018.

Wislowska, M., Blume, C., Michalak, A., Weisz, N., & Schabus, M. (2018). *Even the sleeping brain discerns relevant information*. Poster presented at Salzburg Mind-Brain Annual Meeting (SAMBA) 2018, Salzburg, Austria, 12<sup>th</sup>–13<sup>th</sup> July, 2018.

Blume C., Angerer M., Raml M., del Giudice R., Santhi N., Pichler G., Kunz A.B., Trinka E. & Schabus M. (2018). *Body Rhythms in Concert? Integrity of Circadian Rhythms is Related to the State of Brain-Injured Patients*. Poster presented at the 27<sup>th</sup> Annual Meeting of the Austrian Sleep Research Association (ASRA), Fuschl am See, Austria, April 6<sup>th</sup>-7<sup>th</sup> 2018.

Hahn, M., Joechner, A., Heib, D. P. J., Gruber, G., Schabus, M., & Hoedlmoser, K. (2018). *Development of sleep spindles and slow waves predicts sleep-dependent memory consolidation enhancement across adolescence*. Poster presented at the 27<sup>th</sup> Annual Meeting of the Austrian Sleep Research Association (ASRA), Fuschl am See, Austria, April 6<sup>th</sup>-7<sup>th</sup> 2018.

Lang, A., del Giudice, R., Scholle, S., & Schabus, M. (2018). *Perinatal memory and the distribution of sleep/wake states in newborns*. Poster presented at the 27<sup>th</sup> Annual Meeting of the Austrian Sleep Research Association (ASRA), Fuschl am See, Austria, April 6<sup>th</sup>-7<sup>th</sup> 2018.

Wislowska, M., Blume, C. & Schabus, M. (2018). *Processing of relevant auditory stimuli during sleep*. Poster presented at 27<sup>th</sup> Annual Meeting of the Austrian Sleep Research Association (ASRA), Fuschl am See, Austria, April 6<sup>th</sup> – 7<sup>th</sup> 2018.

## 2017

Blume, C., del Giudice, R., Wislowska, M., Heib, D. P. J., & Schabus, M. (2017). *Continued Evaluation of Stimulus Familiarity during Naturally Occurring Unconsciousness*. Poster presented at the 13<sup>th</sup> International Conference on Cognitive Neuroscience (ICON). Amsterdam, The Netherlands August 5<sup>th</sup>-8<sup>th</sup> 2017.

Hahn, M., Joechner, A., Heib, D. P. J., Schabus, M., & Hoedlmoser, K. (2017). *Developmental changes of slow wave up-states relate to increased cognitive abilities across adolescence*. Poster presented at the 13<sup>th</sup> International Conference on Cognitive Neuroscience (ICON). Amsterdam, The Netherlands August 5<sup>th</sup>-8<sup>th</sup> 2017.

Ott, P., Lang, A., Wislowska, M., & Schabus, M. (2017). *Influence of prenatally learned maternal voice characteristics in oscillatory brain responses of infants*. Poster presented at the 13<sup>th</sup> International Conference for Cognitive Neuroscience. Amsterdam, The Netherlands August 5<sup>th</sup>-8<sup>th</sup> 2017.

Wielek, T., Blume C., Ott, P., Wislowska, M., Heib, D., & Schabus, M. (2017). *Decoding brain responses to own names uttered by familiar and unfamiliar voices*. Poster presented at the 13<sup>th</sup> International Conference for Cognitive Neuroscience. Amsterdam, The Netherlands August 5<sup>th</sup>-8<sup>th</sup> 2017.

Wislowska, M., Veale, T., Schabus, M., Bauer, M. (2017). *Prior expectations and sensory information interact in a Bayes-optimal way during perception*. Poster presented at 13<sup>th</sup> International Conference on Cognitive Neuroscience (ICON). Amsterdam, The Netherlands, August 5<sup>th</sup> – 8<sup>th</sup> 2017.

Blume, C., del Giudice, R., Wislowska, M., Heib, D., & Schabus, M. (2017). *Continued Evaluation of*

*Stimulus Familiarity during Naturally Occurring Unconsciousness*. Poster presented at the Salzburg Mind-Brain Annual Meeting (SAMBA) 2017. Salzburg, Austria, July 13<sup>th</sup> - 14<sup>th</sup> 2017.

del Giudice, R., Wislowska, M., Lang, A., Lithari, C., Weisz, N., Calvet, C., Ott, P., & Schabus, M. (2017). *Neurophysiological correlates of prenatal learning and early bonding*. Poster presented at the Salzburg Mind-Brain Annual Meeting (SAMBA) 2017. Salzburg, Austria, July 13<sup>th</sup> - 14<sup>th</sup> 2017.

Hahn, M., Joechner, A., Heib, D.P.J., Schabus, M., & Hoedlmoser, K. (2017). *Developmental changes of slow wave activity during sleep reflect changes in cognitive abilities across puberty*. Poster presented at the Salzburg Mind-Brain Annual Meeting (SAMBA) 2017. Salzburg, Austria, July 13<sup>th</sup> - 14<sup>th</sup> 2017.

van Schalkwijk, F. J., Sauter, C., Hoedlmoser, K., Heib, D. P. J., Hauser, T., Klösch, G., Moser, D., Gruber, G., Anderer, P., Saletu, B., Parapatics, S., Weber-Bischof, B., Bauer, H., Fischmeister, F., Zeitlhofer, J., & Schabus, M. (2017). *Short and long-term effects of full-night sleep on procedural memory performance*. Poster presented at the Salzburg Mind-Brain Annual Meeting (SAMBA) 2017. Salzburg, Austria, July 13<sup>th</sup> - 14<sup>th</sup> 2017.

Wislowska, M., Veale, T., Schabus, M., & Bauer, M. (2017). *Dynamics of brain oscillations during Bayesian perception*. Poster presented at the Salzburg Mind-Brain Annual Meeting (SAMBA) 2017. Salzburg, Austria, July 13<sup>th</sup> - 14<sup>th</sup> 2017.

Schabus, M., Körner, D., Gnjezda, M.-T., Heib, D.P., Blume, C., & Hödlmoser, K. (2017). *On the inconsistency of sleep effects on declarative and procedural memory consolidation - an EEG study across multiple sleep laboratory nights*. Poster presented at the SLEEP 2017. Boston, USA, June 3<sup>rd</sup> - 7<sup>th</sup> 2017.

Schabus, M., Körner, D., Gnjezda, M.-T., Heib, D.P.J., Blume, C., Hödlmoser, K., & Freunberger, R. (2017). *Consistency of sleep effects on declarative and procedural memory performance in insomnia patients and 'insomnia misperceivers'*. Poster presented at the scientific meeting "The offline brain: understanding memory consolidation and reconsolidation" of The Royal Society, Buckinghamshire, United Kingdom, January 30<sup>th</sup> – 31<sup>st</sup> 2017

## 2016

Schabus, M., del Giudice, R., Wislowska, M., Lang, A., Lithari, C., Weisz, N., & Calvet, C. (2016). *Processing of nursery rhymes in the newborn brain – A hdEEG study*. Poster presented at the 20<sup>th</sup> International Conference on Biomagnetism (BIOMAG2016), Seoul, South Korea, October 1<sup>st</sup> – 6<sup>th</sup> 2016

Blume, C., del Giudice, R., Wislowska, M., Heib D. P. J., Hoedlmoser, K., Schabus, M. (2016). *Privileged processing of emotional and self-relevant stimuli persists in unconscious N2 sleep*. Poster presented at the 23<sup>rd</sup> Meeting of the European Sleep Research Society (ESRS), Bologna, Italy, September 13<sup>th</sup>-16<sup>th</sup> 2016.

Heib, D.P.J., Bäuml, K-H.T., & Schabus, M. (2016). *The impact of memory strength on sleep-associated memory consolidation*. Poster presented at the 23<sup>rd</sup> Meeting of the European Sleep Research Society (ESRS), Bologna, Italy, September 13<sup>th</sup>-16<sup>th</sup> 2016.

Hoedlmoser, K., Roell, J., Joechner, A., Hahn, M., Heib, D.P.J., Gruber, G., Sadeh, A., Peigneux, P., & Schabus, M. (2016). *The impact of developmental changes of sleep spindles on declarative learning and general cognitive abilities - a longitudinal approach*. Poster presented at the 23<sup>rd</sup> Meeting of the European Sleep Research Society (ESRS), Bologna, Italy, September 13<sup>th</sup>-16<sup>th</sup> 2016.

van Schalkwijk, F.J., Heib, D.P.J., Hödlmoser, K., Muto, V., Klösch, G., Anderer, P., Zeitlhofer, J., & Schabus, M. (2016). *The effect of napping on the consolidation of explicit and implicit information*. Poster presented at the 23<sup>rd</sup> Meeting of the European Sleep Research Society (ESRS), Bologna, Italy, September 13<sup>th</sup>-16<sup>th</sup> 2016.

Wielek, T., Lechinger, J., Ott, P., Wegenkittl, S., & Schabus, M. (2016). *EEG complexity as an indication for sleep-wake patterns in patients with disorders of consciousness*. Poster presented at the 23<sup>rd</sup> Meeting of the European Sleep Research Society (ESRS), Bologna, Italy, September 13<sup>th</sup>-16<sup>th</sup>

2016.

Schabus, M., Wielek, T., Ott, P., Lechinger, J. & Wegenkittl, S. (2016). *Variations of EEG complexity across the 24hr-cycle in patients with disorders of consciousness*. Poster presented at the 18<sup>th</sup> IOP World Congress, Havana, Cuba, August 31<sup>st</sup> – September, 4<sup>th</sup> 2016

Schabus, M., Wislowska, M., del Giudice, R., Lechinger, J., Chwala-Schlegel, N., Pitiot, A., Heib, D., Chinchilla, M., & Machado, C. (2016). *Circadian fluctuations of EEG and graphoelements during sleep in patients with disorders of consciousness*. Poster presented at the 18<sup>th</sup> IOP World Congress, Havana, Cuba, August 31<sup>st</sup> – September, 4<sup>th</sup> 2016

del Giudice, R., Wislowska, M., Lithari, C., Lang, A., Calvet, C., Weisz, N., Schabus, M. (2016). *Oscillatory brain activity to prenatally learned nursery rhymes in two and five weeks new-born*. Poster presented at the 20<sup>th</sup> annual meeting of the Association for the Scientific Study of Consciousness (ASSC), Buenos Aires, Argentina, 15<sup>th</sup> – 18<sup>th</sup> June 2016.

Schabus, M., Wielek, T., Wislowska, M., Ott, P., Lechinger, J. & Wegenkittl, S. (2016). *Day-night variations of EEG complexity in patients with disorders of consciousness*. Poster presented at the 20<sup>th</sup> annual meeting of the Association for the Scientific Study of Consciousness (ASSC), Buenos Aires, Argentina, June 15<sup>th</sup> – 18<sup>th</sup> 2016

Wislowska, M., del Giudice, R., Lechinger, J., Chwala-Schlegel, N., Pitiot, A., Heib, D. & Schabus, M. (2016). *Circadian Fluctuations of Arousal in Patients with Disorders of Consciousness*. Poster presented at the 20<sup>th</sup> Annual Meeting of the Association for the Scientific Study of Consciousness (ASSC), Buenos Aires, Argentina, June 15<sup>th</sup> – 18<sup>th</sup> 2016.

## 2015

Wielek, T., Lechinger, J., Wislowska, M., Hoedlmoser, K., Mayer, H., & Schabus, M. (2015). *Artificial neural networks combined with permutation entropy – a promising approach for sleep staging in healthy individuals and patients with DOC*. Poster presented at the 7<sup>th</sup> World Congress of the World Sleep Federation (WSF), Istanbul, Turkey, October 31<sup>st</sup> to November 3<sup>rd</sup> 2015.

Blume, C., del Giudice, R., Wislowska, M., Lechinger, J., Heib, D. P. J., Koerner, D., Gnjezda, M.-T., Hoedlmoser, K., Schabus, M. (2015). *Emotion matters! Effects of emotional prosody on stimulus processing across consciousness states*. Poster presented at the 19<sup>th</sup> Annual Meeting of the Association for the Scientific Study of Consciousness (ASSC), Paris, France, July 7<sup>th</sup> to 10<sup>th</sup> 2015.

Schabus, M., del Giudice, R., Blume, C., Lechinger, J., Wislowska, M., Gnjezda, M.-T. & Hoedlmoser, K. (2015). *The voice of anger: Emotional prosody across the consciousness continuum*. Poster presented at the 19<sup>th</sup> Annual Meeting of the Association for the Scientific Study of Consciousness (ASSC), Paris, France, July 7<sup>th</sup> – 10<sup>th</sup> 2015.

Schabus, M., del Giudice, R., Lechinger, J., Wislowska, M., Heib, D.J.P., & Hoedlmoser, K. (2015). *EEG responses to stimuli of personal relevance in healthy controls and disorder of consciousness patients*. Poster presented at the 19<sup>th</sup> Annual Meeting of the Association for the Scientific Study of Consciousness (ASSC), Paris, France, July 7<sup>th</sup> to 10<sup>th</sup> 2015.

Wislowska, M., del Giudice, R., Lechinger, J., Chwala-Schlegel, N., Laureys, S. & Schabus, M. (2015). *Circadian Changes of EEG Brain Activity in Patients with Disorders of Consciousness*. Poster presented at the 19<sup>th</sup> Annual Meeting of the Association for the Scientific Study of Consciousness (ASSC), Paris, France, July 7<sup>th</sup> – 10<sup>th</sup> 2015

## 2014

Heib, D.P.J., Luketina, N., Holterman, C., Bäuml, K.-H.T., & Schabus, M. (2014). *The role of memory strength for sleep-associated memory consolidation*. Poster presented at the 22<sup>nd</sup> Congress of the European Sleep Research Society (ESRS), Tallinn, Estonia, September 16<sup>th</sup> – 20<sup>th</sup> 2014.

Schabus, M., Lechinger, J., Jiang, H., Heib, D., Wislowska, M., & Jensen, O. (2014). *Source reconstruction of slow and fast sleep spindles using a frequency-domain beamformer approach - A MEG/EEG study*. Paper submitted for the 19<sup>th</sup> International Conference on Biomagnetism

(BIOMAG), *Halifax, Canada, August 24<sup>th</sup> -26<sup>th</sup>, 2014.*

Schabus, M., et al. (2014). Sleep-dependent memory consolidation and neurofeedback in insomnia - A long-term study. Poster presented at the 12<sup>th</sup> International Conference on Cognitive Neuroscience (ICON), *Brisbane, Australia, 27<sup>th</sup> – 31<sup>st</sup> of July 2014.*

Blume, C., Lechinger, J., del Giudice, R., Wislowska, M. & Schabus, M. (2014). Are you mocking me!? EEG responses during an animated “Theory of Mind” paradigm. Poster presented at the 20<sup>th</sup> Meeting of the Organisation for Human Brain Mapping (OHBM), *Hamburg, Germany, 8<sup>th</sup> – 12<sup>th</sup> June 2014.*

### 2013

Del Giudice, R., Lechinger, J., Wislowska, M., Heib, D.P.J., Koerner, D., Hoedlmoser, K., & Schabus, M. (2013). Can we tackle attention in disorders of consciousness? Validation of a new paradigm to assess patients with altered states of consciousness. Poster presented at the Rovereto Attention Workshop (RAW 2013), *Rovereto, Italy, October 24<sup>th</sup>-26<sup>th</sup>, 2013.*

Wislowska, M., Heib, D. P. J., Griessenberger, H., Hoedlmoser, K., Lechinger, J. & Schabus, M. (2013). Age Matters! Sleep-Dependent Memory Consolidation in Disturbed Sleep. Poster presented at the 5<sup>th</sup> Dubrovnik Conference on Cognitive Science (DuCog), *Dubrovnik, Croatia, May 16<sup>th</sup> - 19<sup>th</sup> 2013.*

Schabus, M., Lechinger, J., Bothe, K., Pichler, G., Michitsch, G., & Donis, J. (2013). Spectral EEG at rest predicts behavioural appearance in Disorders of Consciousness. Paper presented at the 17<sup>th</sup> Annual Meeting of the Association for the Scientific Study of Consciousness (ASSC), *San Diego, USA, July 12<sup>th</sup>-15<sup>th</sup> 2013.*

Gosseries, O., Vanhauenhuyse, A., Bruno, MA., Phan-Ba, R., Phillips, C., Boveroux, P., Bonhomme, V., LeDoux, D., Brichant, J.F., Schabus, M., Balteau, E., Degueldre, C., Luxen, A., Maquet, P., Laureys, S., & Boly, M. (2013). Interaction between spontaneous fluctuation and auditory evoked activity during wakefulness and propofol-induced loss of consciousness. Paper presented at the 17<sup>th</sup> Annual Meeting of the Association for the Scientific Study of Consciousness (ASSC), *San Diego, USA, July 12<sup>th</sup>-15<sup>th</sup> 2013.*

### 2012

Werner, G. & Schabus, M. (2012). Bindungsstile und Schlafverhalten (engl., *Attachment and sleeping behavior*). Poster presented at the 10<sup>th</sup> Annual Meeting of the Austrian Society for Psychology, Graz, Austria, April 12<sup>th</sup> to 14<sup>th</sup> 2012.

File, N., Schabus, M., Sauer, J., & Keil, W. W. (2012). Symptom- und Persönlichkeitsveränderungen durch klientenzentrierte Psychotherapie. Poster presented at the Workshop „Psychotherapieforschung“ (psychotherapy research) of „Gesundheit Österreich“ (BMG Österreich), *Vienna, Austria, November 27<sup>th</sup> 2012.*

Schabus, M., File, N., Sauer, J., & Keil, W. W. (2012). Demographische Erhebung der ÖGWG. Poster presented at the Workshop „Psychotherapieforschung“ (psychotherapy research) of „Gesundheit Österreich“ (BMG Österreich), *Vienna, Austria, November 27<sup>th</sup> 2012.*

Vanhauenhuyse, A., Boveroux, P., Bruno, M.-A., Noirhomme, Q., Soddu, A., Gómez, F., Bahri M. A., Babo-Rebello, M., Lauwick, S., Degueldre, C., Plenevaux, A., Schabus, M., Ledoux, D., Bonhomme, V., Brichant J.-F., Laureys S., & Boly, M. (2012). Loss of self-referential stimuli discrimination during propofol-induced loss of consciousness. Poster presented at the 18<sup>th</sup> Annual Meeting of the Organization for Human Brain Mapping, *Beijing, China, June 10<sup>th</sup> to 14<sup>th</sup> 2012.*

Gosseries, O., Vanhauenhuyse, A., Bruno, M.-A., Phan-Ba, R., Phillips, C., Boveroux, P., Bonhomme, V., Ledoux, D., Brichant, J.-F., Lauwick, S., Schabus, M., Balteau, E., Degueldre, C., Luxen, A., Maquet, P., Laureys, S., & Boly, M. (2012). Consciousness-dependent interplay between spontaneous and stimulus evoked activity: an EEG-fMRI study. Poster presented at the 18<sup>th</sup> Annual Meeting of the Organization for Human Brain Mapping, *Beijing, China, June 10<sup>th</sup> to 14<sup>th</sup> 2012.*

Hoedlmoser, K., Bothe, K., Möckel, T., Peigneux, P., Klimesch, W., & Schabus, M. (2012). Sleep and real-life declarative learning. Poster presented at the 18<sup>th</sup> Annual Meeting of the Organization for Human Brain Mapping, *Beijing, China, June 10<sup>th</sup> to 14<sup>th</sup> 2012.*

Griessenberger, H., Heib, D., Petzka, M., Luketina, N., Hoedlmoser, K., & Schabus, M. (2012). Sleep

dependent motor skill learning in primary insomnia and good sleeper controls. Paper presented at the 10<sup>th</sup> Annual Meeting of the Austrian Society for Psychology (ÖGP), *Karl-Franzens University, Graz, Austria, April 12<sup>th</sup> to 14<sup>th</sup> 2012.*

Hoedlmoser, K., Roell, J., Peigneux, P., Klimesch, W., & Schabus, M. (2012). Sleep spindles and its relation to cognitive performance in children. Paper presented at the 10<sup>th</sup> Annual Meeting of the Austrian Society for Psychology (ÖGP), *Karl-Franzens University, Graz, Austria, April 12<sup>th</sup> to 14<sup>th</sup> 2012.*

Werner, G., & Schabus, M. (2012). Über den Zusammenhang von Bindungsstilen und Schlafstörungen. Paper presented at the 10<sup>th</sup> Annual Meeting of the Austrian Society for Psychology (ÖGP), *Karl-Franzens University, Graz, Austria, April 12<sup>th</sup> to 14<sup>th</sup> 2012.*

#### 2011

Griessenberger, H., Hoedlmoser, K., Sampathkumar, A., Lechinger, J., Klimesch, W. & Schabus, M. (2011). Consolidation of temporal order in episodic memories. Paper presented at the XI International Conference on Cognitive Neuroscience (ICON), *Palma de Mallorca, Spain, 25-29th of September 2011.*

Heib, D., Hoedlmoser, K., Griessenberger, H., Klimesch, W., & Schabus, M. (2011). The role of sleep slow oscillations in the process of declarative memory consolidation as well as their relation to general cognitive abilities. Poster session presented at the XI International Conference on Cognitive Neuroscience (ICON), *Palma de Mallorca, Spain, 25-29th of September 2011.*

Hoedlmoser, K., Roell, J., Peigneux, P., Klimesch, W., & Schabus, M. (2011). Sleep spindles and emotional intelligence in school aged children. Paper presented at the 17th Annual Meeting of the Organization of Human Brain Mapping (HBM), *Quebec City, Canada, 26-30th of June 2011.*

Schabus, M., Hoedlmoser, K., Griessenberger, H., Heib, D., Pawlizki, A., & Klimesch, W. (2011). Instrumental conditioning of 12-15Hz brain oscillations enhances EEG frequencies and sleep quality. Paper presented at the 17th Annual Meeting of the Organization of Human Brain Mapping (HBM), *Quebec City, Canada, 26-30th of June 2011.*

Heib, D., Griessenberger, H., & Schabus, M. (2011). ZEO, ein revolutionäres Low-Budget scoring system? Paper presented at the Congress of the Austrian Sleep Research Association (ASRA), *Schloß Seggau, Austria, 13th -15th of May 2011.*

#### 2010

Schabus, M., Cologan, V., Weilhart, K., Chwala, N., Pelikan, C., Hoedlmoser, K., Klimesch, W., Maquet, P., & Laureys, S. (2010). Sleep in Disorders of Consciousness. Paper presented at the 20th Congress of the European Sleep Research Society (ESRS), *Lisbon, Portugal, September 14th -18th 2010.*

Schabus, M., Fellingner, R., Schnakers, C., Perrin, F., Freunberger, R., Klimesch, W., & Laureys, S. (2010). Distinct oscillatory brain activity in disorders of consciousness. Paper presented at the 14<sup>th</sup> Annual Meeting of the Association for the Scientific Study of Consciousness (ASSC), *Toronto, Canada, June 24<sup>th</sup>-27<sup>th</sup> 2010.*

Schabus, M., Hoedlmoser, K., Griessenberger, H., Hoffmann, A., & Klimesch, W. (2010). Sleep-dependent consolidation of temporal order in episodic memories. Paper presented at the 20<sup>th</sup> Congress of the European Sleep Research Society (ESRS), *Lisbon, Portugal, September 14<sup>th</sup> -18<sup>th</sup> 2010.*

#### 2009

Dang-Vu, T., Schabus, M., Desseilles, M., & Maquet, P. (2009). Non-REM sleep oscillations: an EEG/fMRI study. Paper presented at the Réunion d'Hiver de la Société de Neurophysiologie Clinique de Langue Française: "Cerebral rhythms", Paris, France, 26<sup>th</sup> -27<sup>th</sup> January, 2009.

#### 2008

Anderer, P., Gruber, G., Sauter, C., Kloesch, G., Schabus, M., Klimesch, W., Saletu, B., & Zeitlhofer, J. (2008). Low-Resolution Brain Electromagnetic Tomography (LORETA) reveals off-line neuronal re-processing of motor learning during post-training REM sleep. Paper presented at the 19th Congress of the European Sleep Research Society (ESRS), Glasgow, UK, 9<sup>th</sup> -13<sup>th</sup> September, 2008

Boly, M., Perlberg, V., Marrelec, G., Dang-Vu, T., Schabus, M., Pelegri, M., Vanhaudenhuyse, A., Albouy, G., Balteau, E., Degueldre, C., Phillips, C., Sterpenich, V., Vandewalle, G., Luxen, A., Laureys, S., Benali, H., & Maquet, P. (2008). Fragmentation of fMRI resting state networks in deep

non Rapid Eye Movement (REM) sleep as compared to wakefulness as revealed by a group probabilistic ICA analysis in healthy volunteers. Poster presented at the 15<sup>th</sup> Meeting of the Cognitive Neuroscience Society, San Francisco, USA, April 12<sup>th</sup> -15<sup>th</sup> 2008.

Dang-Vu, T., Schabus, M., Boly, M., Bonjean, M., Darsaud, A., Desseilles, M., Phillips, C., & Maquet, P. (2008). Processing of sounds during sleep spindles in humans: an EEG/fMRI study of auditory stimulation in non-REM sleep. Paper presented at the 19th Congress of the European Sleep Research Society (ESRS), Glasgow, UK, 9<sup>th</sup> -13<sup>th</sup> September, 2008.

Darsaud, A., Dehon, H., Sterpenich, V., Dang-Vu, T., Desseilles, M., Gais, S., Matarazzo, L., Schabus, M., Vandewalle, G., Luxen, A., Collette, F., & Maquet, P. (2008). Cerebral correlates of false memories after sleep and sleep deprivation. Poster presented at the 15<sup>th</sup> Meeting of the Cognitive Neuroscience Society, San Francisco, USA, April 12<sup>th</sup> -15<sup>th</sup> 2008.

Hoedlmoser, K., Schabus, M., Griessenberger, H., & Klimesch, W. (2008). Event-related P2 component during a psychomotor vigilance task indicates sleep pressure. Poster presented at the 19<sup>th</sup> Congress of the European Sleep Research Society (ESRS), Glasgow, UK, 9<sup>th</sup> -13<sup>th</sup> September, 2008.

Maquet, P., Dang-Vu, T., & Schabus, M. (2008). Cerebral correlates of non REM sleep oscillations, as assessed by EEG/fMRI. Paper presented at the 19th Congress of the European Sleep Research Society (ESRS), Glasgow, UK, 9<sup>th</sup> -13<sup>th</sup> September, 2008.

Schabus, M., Dang-Vu, T., Boly, M., Darsaud, A., Albouy, G., Sterpenich, V., Phillips, C., & Maquet, P. (2008). Processing of sounds during slow wave sleep in humans: an EEG/fMRI study of auditory stimulation in non-REM sleep. Poster presented at the 19th Congress of the European Sleep Research Society (ESRS), Glasgow, UK, 9<sup>th</sup> -13<sup>th</sup> September, 2008.

Schmidt, C., Collette, F., Sterpenich, V., Vandewalle, G., Tinguely, G., Darsaud, A., Gais, S., Schabus, M., Desseilles, M., Dang Vu, T., Salmon, E., Luxen, A., Maquet, P., Cajochen, C., & Peigneux, P. (2008). Chronotype-dependent performance modulation according to time of day : a functional neuroimaging approach. Poster presented at the 15<sup>th</sup> Meeting of the Cognitive Neuroscience Society, San Francisco, USA, April 12<sup>th</sup> -15<sup>th</sup> 2008.

Rodenbeck, A., Schabus, M., Hasselhorn, M., Huether, G., Mavridou, K., Pilz, J., Schneider, B., & Wiater, A., (2008). Effects of parental evening interventions on stress, sleep, and school performance. Paper presented at the 19th Congress of the European Sleep Research Society (ESRS), Glasgow, UK, 9<sup>th</sup> -13<sup>th</sup> September, 2008.

## 2007

Perrin, F., Schnakers, C., Schabus, M., & Laureys, S. Sensory discrimination and awareness in patients with severe brain damage. Association for the Scientific Study of Consciousness, 11<sup>th</sup> Annual Meeting, Las Vegas, USA, 22<sup>nd</sup> - 25<sup>th</sup> June 2007.

## 2006

Hödlmoser, K., Stadler, W., Schabus, M., Anderer, P., Sauter, C., Klösch, G., Klimesch, W., & Zeitlhofer, J. (2006). EEG theta power during sleep and memory performance. Paper presented at the 18<sup>th</sup> Congress of the European-Sleep-Research-Society, Innsbruck, Austria, 12<sup>th</sup> - 16<sup>th</sup> September 2006.

Peigneux, P., Schabus, M., Schmitz, R., Luxen, A., & Maquet, P. (2006). ERP correlates of sleep-dependent memory processing in the probabilistic serial reaction time task. Paper presented at the 18<sup>th</sup> Congress of the European-Sleep-Research-Society, Innsbruck, Austria, 12<sup>th</sup> - 16<sup>th</sup> September 2006.

Sauter, C., Moser, D.C., Anderer, P., Klösch, G., Hödlmoser, K., Stadler, W., Schabus, M., & Zeitlhofer, J. (2006). The effect of napping on implicit and explicit memory consolidation. Paper presented at the 18<sup>th</sup> Congress of the European-Sleep-Research-Society, Innsbruck, Austria, 12<sup>th</sup> - 16<sup>th</sup> September 2006.

Stadler, W., Schabus, M., Hödlmoser, K., Sauter, C., Anderer, P., Gruber, G., Klimesch, W., & Zeitlhofer, J. (2006). Brain activity related to memory retrieval changes after overnight sleep: A study of EEG theta frequency. Paper presented at the 18<sup>th</sup> Congress of the European-Sleep-Research-Society, Innsbruck, Austria, 12<sup>th</sup> - 16<sup>th</sup> September 2006.

## 2005

Anderer, P., Gruber, G., Parapatits, S., Saletu, B., Schabus, M., Klimesch, W., Klösch, G., Sauter, C., Miazhyńska, T., Wörtz, M., & Zeitlhofer, J. (2005). Low-resolution brain electromagnetic

tomography reveals cortical reactivation during spindle episodes in a night following paired word associate learning. *Sleep Medicine*, 6 (Suppl. 2), S109-S110.

Sauter, C., Moser, D., Klösch, G., Schabus, M., Hödlmoser, K., Anderer, P., Klimesch W., & Zeitlhofer, J. (2005). The effect of napping on an implicit memory task. *Sleep Medicine*, 6 (Suppl. 2), S112.

Stadler, W., Schabus, M., Hödlmoser, K., Gruber, G., Parapatics, S., Sauter, C., Klösch, G., Anderer, P., Klimesch W., Saletu, B., & Zeitlhofer, J. (2005). On the necessity of studying differential effects of sleep on episodic vs. semantic memory. *Sleep Medicine*, 6 (Suppl. 2), S208.

#### **2004**

Sauter, C., Klösch, G., Schabus, M., Hödlmoser, K., Anderer, P., Gruber, G., Parapatics, S., Klimesch, W., Saletu, B., & Zeitlhofer, J. (2004). Sleep improves performance in an implicit memory task. *Journal of Sleep Research*, 13 (Suppl. 1).

#### **2003**

Doppelmayr, M., Hödlmoser, K., Schabus, M., & Klimesch, W. ERD changes in different frequency bands during the performance of an intelligence task. Poster presented at the 35<sup>th</sup> General Meeting of the European Brain and Behaviour Society (EBBS), Barcelona, Spain, 17<sup>th</sup> – 20<sup>th</sup> September, 2003.

#### **2002**

Schabus, M., Klimesch, W., & Doppelmayr, M. The P1/N1 complex: Manifestation of an oscillatory process in the theta and alpha frequency range? Poster presented at the 2002 Annual CNS Meeting, San Francisco, CA, 14<sup>th</sup>-16<sup>th</sup> April, 2002.

Schabus, M., Klimesch, W., Doppelmayr, M., Yonelinas, A., Kroll, N.E.A., Lazzara, M., Röhm, D., & Gruber, W. Enhanced theta oscillations reflect conscious awareness during memory retrieval. Poster presented at the Tucson 2002 "Towards a Science of Consciousness" meeting, Tucson, AZ, 8<sup>th</sup>-12<sup>th</sup> April, 2002.

#### **2001**

Klimesch, W., Doppelmayr, M., Wimmer, H., Schabus, M., Röhm, D., Gruber, W., & Hutzler, F. (2001). Event-related band power changes in normal and dyslexic children. Poster presented at the meeting of the Cognitive Neuroscience Society, New York, 25<sup>th</sup>-28<sup>th</sup> March, 2001.

#### **1999**

Schabus, M., Crawford, H.J., Lamas, J., & Klimesch, W. Individual alpha frequency: Does hypnotic level and sex moderate? Poster presented at the 6<sup>th</sup> Meeting of the Austrian Neuroscience Association (ANA), Salzburg, 30<sup>th</sup> September - 2<sup>nd</sup> October 1999.

### **Oral presentations**

#### **2021**

“Präsentation der Umfrage „JetztSprichstDu““. Virtual talk at the 25. Sitzung – Kinderrechte-Board des Bundeskanzleramts Sektion VI – Familie und Jugend, *Virtual, April 16<sup>th</sup> 2021*.

“Psychische Belastungen unter der laufenden Corona Situation für Kinder- und Jugendliche“. Invited talk at the Universitätsklinik für Kinder- und Jugendheilkunde (SALK), *Salzburg, April 15<sup>th</sup> 2021*.

“"Bewusstsein" und Informationsverarbeitung in "veränderten Bewusstseinszuständen"“. Virtual talk at the ÖGWG - Regionalzentrum Wien, NÖ, Bgld., *Virtual, April 14<sup>th</sup> 2021*.

#### **2020**

“Was kann sich (nur) im Schlaf ereignen“. Virtual talk at the Atelier Gespräch „Die Dinge beseelen – Der Nussknacker“ *Virtual, December 7<sup>th</sup> 2020*.

“Sleep during COVID-19 lockdown: a cross-cultural pilot study“. Virtual talk at the Research Colloquium of the Department of Psychology/University of Salzburg, *Virtual, November 26<sup>th</sup> 2020*.

“Be better in bed and use the power of the digital world“. Virtual keynote at the IMPULS Dialog - Sanofi-Aventis GmbH Österreich, *Virtual, October 15<sup>th</sup> 2020*.

“On the importance of sleep and the impact of sleep disturbances“. Virtual talk for the doctoral college of the „Research Center for Molecular Medicine of the Austrian Academy of Sciences“  
*Virtual, October 15<sup>th</sup> 2020.*

“Fetal programming & Sleep in Newborns - A hdEEG study “. Talk at 4<sup>th</sup> Wintersymposium 2020 on "Sleep, Cognition and Consciousness". *Werfenweng, Austria, February 27<sup>th</sup>-29<sup>th</sup> 2020.*

## 2019

“Fetal programming & Sleep in Newborns“. Invited talk at the Neuroscience Day 2019. *Salzburg, Austria, September 29<sup>th</sup> 2019.*

„Wie schläft Österreich (besser)?“. Talk at the Panorama/Uni, *Salzburg, Austria, October 21<sup>st</sup> 2019.*

„Unbewusste und bewusste Gedächtnisverarbeitung im menschlichen Gehirn“. Talk at the PRO SCIENTIA Summer Academy 2019: Memory, *Ritten, Bozen, Italien, September 2<sup>nd</sup> – September 8<sup>th</sup> 2019.*

„Scientific assessment of consumer devices for sleep monitoring “. Talk at the 41<sup>st</sup> International Engineering in Medicine and Biology Conference, *Berlin, Germany, July 23<sup>rd</sup> – June 27<sup>th</sup> 2019.*

„Wie schläft Österreich (besser)?“. Talk at the University of Salzburg, *Salzburg, Austria, July 3<sup>rd</sup> 2019.*

„Die Digitalisierung der Gesundheit: Fluch oder Segen“. Chair at the Symposium “The digitalization of health: Curse or blessing?”. *Salzburg, Austria, June 14<sup>th</sup> 2019.*

„Entraining the brain to improve sleep and memory: 12-15Hz Neurofeedback for insomnia and healthy sleepers “. Talk at the 11. Workshopkongress für Klinische Psychologie und Psychotherapie und 37. Symposium der Fachgruppe Klinische Psychologie und Psychotherapie der DGPs, *Erlangen, Germany, May 30<sup>th</sup> – June 1<sup>st</sup> 2019.*

„Wie schläft Österreich (besser)?“. Talk at the University of Salzburg, *Salzburg, Austria, May 23<sup>rd</sup> 2019.*

„Schlaf und Kognition“. Chair at the 28<sup>th</sup> Annual Meeting of the Austrian Sleep Research Association (ASRA), *Gmunden, Austria, May 2<sup>nd</sup> – 4<sup>th</sup> 2019.*

„Restless Legs“. Invited talk at the University Hospital Salzburg (SALK), *Salzburg, Austria, April 11<sup>th</sup> 2019.*

## 2018

„Actigraphy in DOC Patients – A Valid Measurement?“. Talk at the VIII International Symposium on Brain Death and Disorders of Consciousness (Koma Brain Death 2018), *Havana, Cuba, December 4<sup>th</sup> - 7<sup>th</sup> 2018.*

„Heart rate variability and its circadian variation in patients with disorders of consciousness: A diagnostic tool?“. Talk at the VIII International Symposium on Brain Death and Disorders of Consciousness (Koma Brain Death 2018), *Havana, Cuba, December 4<sup>th</sup> - 7<sup>th</sup> 2018.*

„Wirksamer als Placebo? Eine randomisierte kontrollierte Neurofeedback-Studie zum Schlaf“. Invited Speaker at the 18th Annual Meeting of the German Society of Biofeedback eV (DGBfb), *Regensburg, Germany, October 19<sup>th</sup> - 20<sup>th</sup> 2018.*

„EEG-Neurofeedback bei Patienten mit Insomnie - eine randomisierte kontrollierte Studie“. Talk at the 26<sup>th</sup> Annual Meeting of the ‘German Society for Sleep Research and Sleep Medicine’ (DGSM), *Nürnberg, Germany, October 11<sup>th</sup> - 13<sup>th</sup> 2018.*

„"Wie schläft Österreich?" – Online-Erhebung zu Schlafgewohnheiten und Schlafproblemen“. Talk at the 26<sup>th</sup> Annual Meeting of the ‘German Society for Sleep Research and Sleep Medicine’ (DGSM), *Nürnberg, Germany, October 11<sup>th</sup> - 13<sup>th</sup> 2018.*

“Information processing in altered states of consciousness using MEG & EEG“. Invited talk at the Neuroscience Day 2018. *Salzburg, Austria, September 20<sup>th</sup> 2018.*

“Sleep spindles and memory consolidation”. Talk at the Sleep and Memory Reactivation Meeting at the Princeton Neuroscience Institute (PNI), *Princeton, USA, August 31<sup>st</sup> 2018*.

“Continued Evaluation of Environmental Stimuli during Sleep”. Talk at the 21<sup>st</sup> International Conference on Biomagnetism (BIOMAG2018). *Philadelphia, USA, August 26<sup>th</sup> – 30<sup>th</sup> 2018*.

„Person-centred psychotherapy research in Austria - a demographic and process-outcome study”. Talk at the 13<sup>th</sup> World Conference for Person-Centered and Experiential Psychotherapy and Counselling (PCE 2018). *Wien, July 8<sup>th</sup> – 12<sup>th</sup> 2018*.

“The Brain Is Standing Sentinel while We Sleep: Continued Evaluation of Emotional Stimuli in the Absence of Consciousness“. Talk at the 22<sup>nd</sup> Meeting of the Association for the Scientific Study of Consciousness (ASSC 22). *Krakow, Poland, June 26<sup>h</sup> – 29<sup>th</sup> 2018*.

“Continued evaluation of own name stimuli in deep NREM sleep – A hd-EEG study“. Talk at the 2<sup>nd</sup> International Conference on Sleep Spindling and Related Phenomena. *Budapest, Hungary, May 24<sup>th</sup> – 26<sup>th</sup> 2018*.

„Machine Learning for Classifying Sleep”. Talk at the 27. Jahrestagung der Österreichischen Gesellschaft für Schlafmedizin und Schlafforschung ÖGSM / ASRA „Schlaf in der Leistungsgesellschaft“. *Hof bei Salzburg, Austria, April 6<sup>th</sup> – 7<sup>th</sup> 2018*.

„Was uns Schlaf der ganz Kleinen über unseren Schlaf sagen kann - Sleep in newborns - A highdensity EEG study on perinatal learning”. Talk at the 27. Jahrestagung der Österreichischen Gesellschaft für Schlafmedizin und Schlafforschung ÖGSM / ASRA „Schlaf in der Leistungsgesellschaft“. *Hof bei Salzburg, Austria, April 6<sup>th</sup> – 7<sup>th</sup> 2018*.

“Informationsverarbeitung & Circadiane Rhythmen bei Patienten mit schweren Hirnschädigungen - Informationsverarbeitung in veränderten Bewusstseinszuständen“. Invited talk at the Symposium “10 years of consciousness research at the Albert Schweitzer Klinik“. *Graz, Austria, March 14<sup>th</sup> 2018*.

## 2017

„Information processing in altered states of consciousness”. Talk at the Instituto de Física, Universidade Federal Fluminense. *Rio de Janeiro, Brazil, November 14<sup>th</sup> 2017*.

„Information processing in altered states of consciousness”. Talk at the IDOR - Instituto D'Or de Pesquisa e Ensino. *Rio de Janeiro, Brazil, November 8<sup>th</sup> 2017*.

„Spontaneous brain activity, circadian rhythms and information processing”. Talk at the Biomedical Sciences Institute (ICB) at the Universidade Federal do Rio de Janeiro (UFRJ). *Rio de Janeiro, Brazil, October 2<sup>nd</sup> 2017*.

“Oscillations in the broad alpha band: New Findings”. Chair at the symposia at the 13<sup>th</sup> International Conference on Cognitive Neuroscience (ICON). *Amsterdam, The Netherlands, August 5<sup>th</sup>-8<sup>th</sup> 2017*.

“Entraining the brain to improve sleep: A double-blind study using 12-15Hz Neurofeedback”. Talk at the 13<sup>th</sup> International Conference on Cognitive Neuroscience (ICON). *Amsterdam, The Netherlands, August 5<sup>th</sup>-8<sup>th</sup> 2017*.

„Information processing in altered states of awareness”. Talk at the Sleep Division of the Brigham & Women's Hospital/Harvard Medical School. *Boston, USA, June 8<sup>th</sup> 2017*.

Forschung kompakt – Spitzenforschung an der PLUS: „Informationsverarbeitung in veränderten Bewusstseinszuständen“. Invited talk at the “Tag der Universität” at the University of Salzburg, *Salzburg, Austria, May 31<sup>st</sup> 2017*.

“Erleben und Informationsverarbeitung in veränderten Bewusstseinszuständen“. Invited talk at the WissensDurst - Das Festival der österreichischen Wissenschaft. *Salzburg, Austria, May 16<sup>th</sup> 2017*.

“Post-komatöse Zustände und Schlaf“. Invited talk for the 2nd Fachtag Schlafmedizin. *Vienna, Austria, March 25<sup>th</sup> 2017*.

## 2016

“Oscillations, Sleep & Memory “.Talk at the 2<sup>nd</sup> OHBM Alpine Chapter Symposium. *Salzburg, Austria, November 25<sup>th</sup> - 26<sup>th</sup> 2016*.

“The effect of sleep and neurofeedback on sleep quality and memory consolidation in insomnia patients “. Talk at the 50<sup>th</sup> Conference of the German Society for Psychology. *Leipzig, Germany,*

September 18<sup>th</sup> - 22<sup>th</sup> 2016.

“Psychophysiological responses to prenatally presented nursery rhymes in sleep and waking newborns“. Talk at the 23<sup>rd</sup> Meeting of the European Sleep Research Society (ESRS). *Bologna, Italy, September 13<sup>th</sup>-16<sup>th</sup> 2016.*

“Diurnal Variations in Consciousness – Insights from Rhythm Research“. Invited talk at the Symposium: Schlaf bei Patienten mit schweren Bewusstseinsstörungen. *Bad Aibling, Germany, August 19<sup>th</sup> 2016.*

“Processing information in altered states of consciousness - Talk about sleep, memory and disorders of consciousness “. Invited talk at the University of Havana. *Havana, Cuba, August 31<sup>st</sup> 2016.*

“The quest for neural correlates of consciousness - New directions and challenges for established perspectives“. Chair at a symposia at the 20<sup>th</sup> Annual Meeting of the Association for the Scientific Study of Consciousness. *Buenos Aires, Argentina, June 14<sup>th</sup> – 18<sup>th</sup> 2016.*

“ Erleben und Informationsverarbeitung in veränderten Bewusstseinszuständen - Eine neurowissenschaftliche Sicht“. Invited talk at the BÖP-Veranstaltung “Themenabend “Informationsverarbeitung in veränderten Bewusstseinszuständen““, *Salzburg, Austria, June 2<sup>nd</sup> 2016.*

“Richtige Schlafkultur: Vom gesunden und gestörten Schlaf“. Invited talk at the “Gesundheitstag 2016 – Achtsamkeit im beruflichen Alltag“ at the University of Salzburg, *Salzburg, Austria, May 18<sup>th</sup> 2016.*

“The effect of sleep and neurofeedback on sleep quality and memory consolidation in insomnia patients“. Keynote presentation at the 1<sup>st</sup> International Conference on Sleep Spindling. *Budapest, Hungary, May 12<sup>th</sup> – 14<sup>th</sup> 2016.*

“Erleben und Informationsverarbeitung in veränderten Bewusstseinszuständen – Eine neurowissenschaftliche Sicht“. Keynote presentation at the 12. Tagung der Österreichischen Gesellschaft für Psychologie. *Innsbruck, Austria, March 31<sup>st</sup> – April 2<sup>nd</sup> 2016.*

“Schlafen lernen und lernen im Schlaf“. Invited talk for the 1<sup>st</sup> Fachtag Schlafmedizin. *Vienna, Austria, February 27<sup>th</sup> 2016.*

“Schlaf Gut – Über den gesunden und gestörten Schlaf“. Invited talk for „Frauen für Freundschaft in Europa“ *Gasthof Wartenberg, Salzburg, February 2<sup>nd</sup> 2016.*

## 2015

“Der tägliche Schlaf – gesunder und gestörter Schlaf“. Invited talk for the Seminar „Führen in Zeiten wachsender Komplexität“ am Fortbildungsinstitut der Bayerischen Bundespolizei in *Ainring, Germany, November 27<sup>th</sup> 2015.*

“Schlaf gut! Hilfreiches für eine ruhige Nacht“. Invited talk (SGKK) at the Gesundheitsinformationszentrum in *Salzburg, Austria, November 10<sup>th</sup> 2015.*

“NREM sleep phenomena and their significance for „offline“ information processing“. Talk at the 7<sup>th</sup> Congress of the World Sleep Federation "Sleep and Health". *Istanbul, Turkey, October 31<sup>th</sup> – November 3<sup>rd</sup> 2015.*

Unser Gehirn – Von Bewusstsein, Lernen und Erkrankungen. Invited talk at the Rotary Club Salzburg Land in Eugendorf, Austria. *Eugendorf, Austria, October 1<sup>st</sup> 2015.*

"Sleep-dependent memory consolidation and NFT in insomnia: A double-blind ‘spindle-frequency’ Biofeedback study". Invited talk at the Annual Meeting of ECNS/ISNIP/ISBET (Munich Neurophysiology Conference 2015) in Munich, Germany. *Munich, Germany, September 9<sup>th</sup> - 13<sup>th</sup> 2015.*

"Sleep and Cognition - A playground for neuroinformatics?" at the Centro de Neurociencias de Cuba in La Habana, Cuba. *La Habana, Cuba, September 3<sup>rd</sup> 2015.*

"Information processing and sleep in Disorders of Consciousness" at the Institute of Neurology and Neurosurgery in La Habana, Cuba. *La Habana, Cuba, September 2<sup>nd</sup> 2015.*

"Sleep, Memory and Development " at the Brain Institute in Natal, Brasil. *Natal, Brasil, August 17<sup>th</sup> 2015.*

"Small babies, big problems - Therapeutic interaction analysis and video -based intervention in infants

with regulatory disorders – Research Outcomes" at the International Forum PCA XIII Forum in Izvorani, Romania. *Izvorani, Romania, May 29<sup>th</sup> 2015.*

"Research on Client-Centered Psychotherapy – Outcome in Austria" at the International Forum PCA XIII Forum in Izvorani, Romania. *Izvorani, Romania, May 30<sup>th</sup> 2015.*

Developmental psychology and intervention using videography at the University of Bucharest. *Bucharest, Romania, May 28<sup>th</sup> to June 2<sup>nd</sup> 2015. (Lecturers: P. Schernhardt/M. Schabus).*

Developmental psychology and intervention using videography at the University of Bucharest. *Bucharest, Romania, May 28<sup>th</sup> to June 2<sup>nd</sup> 2015. (Lecturers: P. Schernhardt/M. Schabus).*

Bewusstsein auf dem Prüfstand – Gehirnforschung zwischen Schlaf und Wachkoma. Public talk organized by the Salzburg Society for Psychology at the University of Salzburg, Department of Psychology“. *Salzburg, Austria, April 29<sup>th</sup> 2015.*

Unser Gehirn – von Bewusstsein, Lernen und Erkrankungen. Public talk organized by the Austrian Science Fund FWF at the “Theatre Akzent” in Vienna. *Vienna, Austria, April 16<sup>th</sup> 2015.*

An den Grenzen des Bewusstseins – Gehirnforschung zwischen Schlaf- und Wachkoma. Invited talk at the „Berufsverband österreichischer Psychologen“ (BÖP). *Vienna, Austria, April 15<sup>th</sup> 2015.*

Bewusstsein auf dem Prüfstand: Gehirnforschung zwischen Schlaf und Wachkoma. Invited talk at the Katholischer Akademiker/innenverband (KAV) Salzburg. *Salzburg, Austria, February 2<sup>nd</sup> 2015.*

## 2014

Schlaf und Zirkadianik beim gesunden und erkrankten Gehirn. Invited talk at the University Clinic of Neurology (Prof. Fazekas & Assoc.-Prof. Enzinger). *Graz, Austria, December 11<sup>th</sup> 2014.*

Zirkadianik und Schlaf im „Wachkoma“ - Eine neurowissenschaftliche Sicht. Invited talk at the Albert-Schweitzer Clinic Graz (OA Dr. Pichler). *Graz, Austria, November 18<sup>th</sup> 2014.*

Information processing in altered states of awareness – Insights from Sleep and Disorders of Consciousness. Talk at the Centre for Chronobiology at the University of Basel (C. Cajochen). *Basel, Switzerland, October 23<sup>rd</sup> 2014.*

Verbleibende Informationsverarbeitung im Wachkoma - Eine Neurowissenschaftliche Sicht. Invited talk at the 16<sup>th</sup> Congress of the Society for Neuropsychology Austria (GNPÖ), “Neuropsychologie der Bewusstseinsstörungen: Klinische Symptomatik und rehabilitative Maßnahmen“. *Vienna, Austria, October 4<sup>th</sup> 2014.*

Personzentrierte Forschung – sicher, sauber, schnell und schön? Workshop (N. File, J. Sauer, & M. Schabus) at the „Jubiläumskongress der ÖGWG in Kooperation mit den deutschsprachigen Vereinen aus Österreich ÄGG, IPS, VRP und Forum, aus Deutschland ÄGG, DPGG, Gwg, aus der Schweiz pca.acp, sowie dem Verband VPKJ“. *Salzburg, Austria, September 25<sup>th</sup> - 27<sup>th</sup> 2014.*

Von kleinen Babys und großen Problemen – Videogestützte Interaktionsanalyse in Diagnose und Therapie. Workshop at the „Jubiläumskongress der ÖGWG in Kooperation mit den deutschsprachigen Vereinen aus Österreich ÄGG, IPS, VRP und Forum, aus Deutschland ÄGG, DPGG, Gwg, aus der Schweiz pca.acp, sowie dem Verband VPKJ“. *Salzburg, Austria, September 25<sup>th</sup> - 27<sup>th</sup> 2014.*

Memory, Cognition and Dreaming. Chair at the 22nd Congress of the European Sleep Research Society (ESRS), *Tallinn, Estonia, September 16<sup>th</sup> – 20<sup>th</sup> 2014.*

Informationsverarbeitung und Zeichen minimalen Bewusstseins im Wachkoma – Eine neurowissenschaftliche Sicht. Invited talk at the 2<sup>nd</sup> BAG Symposium “Wachkoma und andere neurologisch bedingte Bewusstseinsstörungen“. *Cologne, Germany, September 4<sup>th</sup> - 5<sup>th</sup> 2014.*

EEG responses to stimuli of personal relevance in healthy controls and disorder of consciousness patients. Invited talk at the 18th Annual Meeting of the Association for the Scientific Study of Consciousness (ASSC). *Brisbane, Australia, July 16<sup>th</sup> to 19<sup>th</sup> 2014.*

Therapeutic Interaction Analysis – Doing research using the CARE-Index at the University of Bucharest. *Bucharest, Romania, June 19<sup>th</sup> to 24<sup>th</sup> 2014. (Lecturers: M. Schabus/P. Schernhardt)*

SMR neurofeedback and sleep quality – A non-pharmacological alternative for primary insomnia? Invited talk (ÖGP; Austrian Society for Psychology) at the Karl-Franzens University. *Graz, Austria, May 27<sup>th</sup> 2014.*

SMR neurofeedback for improving sleep and memory – A double-blind study in primary insomnia. Invited talk at the Society for the advancement of brain analysis (SABA). *Avalon, Catalina Island, California (USA), May 7<sup>th</sup> to May 10<sup>th</sup> 2014.*

Information processing in altered states of awareness - Insights from Sleep to Disorders of Consciousness. Invited talk at the COPPE/UFRJ - Instituto Alberto Luiz Coimbra de Pós-Graduação e Pesquisa de Engenharia, Programa de Engenharia Biomédica. *Rio de Janeiro, Brazil, April 25<sup>th</sup> 2014.*

Information processing in altered states of awareness - Insights from Sleep to Disorders of Consciousness. Invited talk at the Brain Institute at Universidade Federal do Rio Grande do Norte (UFRN). *Natal, Brazil, April 23<sup>rd</sup> 2014.*

Therapeutic Interaction Analysis – “Regulatory Disorders” at the University of Bucharest. *Bucharest, Romania, February 27<sup>th</sup> to 1<sup>st</sup> of March 2014. (Lecturers: P. Schernhardt/M. Schabus)*

Non-pharmacological treatment of primary insomnia using SMR neurofeedback. Invited talk at the Meeting of the Society of Applied Neuroscience (SAN). *Utrecht, Netherlands, January 30<sup>th</sup> to February 2<sup>nd</sup> 2014.*

Towards the significance of sleep and cognition – An overview of neuroscientific evidence. Invited talk at the Donders Institute for Brain, Cognition and Behaviour, Radboud University Nijmegen. *Nijmegen, Netherlands, February 29<sup>th</sup> 2014.*

### 2013

Residual cognitive processing and sleep in DOC. Invited talk at the 6<sup>th</sup> International Symposium on Brain Death and Disorders of Consciousness. *Havana, Cuba, December 3<sup>rd</sup> to 6<sup>th</sup> 2013.*

Sleep and cognition – a field with broad implications? Invited talk at the Meeting of the Cuban Society of Clinical Neurophysiology. *Havana, Cuba, December 7<sup>th</sup> 2013.*

Presentation on “Altered states of awareness and cognition” & “Of Little Babies and Big Problems - Emotional Availability and parental strain in disorders of regulation”. Invited talks at the University of Bucharest. *Bucharest, Romania, November 22<sup>nd</sup> 2013.*

Von kleinen Babys und großen Problemen. Workshop bei der Tagung der Österreichischen Gesellschaft für wissenschaftliche, klientenzentrierte Psychotherapie und personorientierte Gesprächsführung (ÖGWG). *Schloss Puchberg, Puchberg bei Wels, 23<sup>rd</sup>-26<sup>th</sup> of October 2013.*

Sleep and Cognition - A field with broad implications? Invited talk at the University of Salzburg, Brain oscillations and cognition: A symposium in honour of Prof. Klimesch, *Unipark Nonntal, Salzburg/Austria, September 19<sup>th</sup>-20<sup>th</sup> 2013.*

Sleep and cognition. A field with broad implications for psychology. Invited talk at the Université libre de Bruxelles, Neuropsychology & Functional Neuroimaging Research Unit (Head: Philippe Peigneux), *Bruxelles, Belgium, April 25<sup>th</sup> 2013.*

Der Einfluss von 12-15Hz Neurofeedback Training auf gesunden und gestörten Schlaf. Annual Meeting of the Austrian Sleep Research Association (ASRA), *Schlosshotel Wilhelminenberg, Austria, 19<sup>th</sup> to 20<sup>th</sup> of April 2013.*

Sleep and its role for memory consolidation. Symposium organizer and chair at the 55<sup>th</sup> conference of experimental psychologists (TEAP), *Vienna, Austria, March 24<sup>th</sup> to March 27<sup>th</sup> 2013.*

"Neuronale Sicht des Bewusstseins". *PPP-Lehrerfortbildung, Hipping (Österreich), 20<sup>th</sup> of March 2013.*

### 2012

Sleep, sleep spindles and memory consolidation. Invited speaker at the School of Advanced Studies (“Current and Future Perspectives in Sleep and Circadian Rhythms Research”), *Cluj-Napoca, Romania, October 31<sup>st</sup> to November 3<sup>rd</sup> 2012.*

Experimental treatment interventions for insomnia. Invited speaker at the School of Advanced Studies (“Current and Future Perspectives in Sleep and Circadian Rhythms Research”), *Cluj-Napoca, Romania, October 31<sup>st</sup> to November 3<sup>rd</sup> 2012.*

Sleep, neurofeedback and motor imagination. Invited talks for the Austrian Training Course in

Athletic, Fitness and Coordination (“Bundessportakademie Wien”). *BSFZ Schielleiten, Austria, October 13<sup>th</sup> - 14<sup>th</sup> 2012.*

Wachkoma – An der Grenze des Bewusstseins. Keynote speaker at the *10<sup>th</sup> Anniversary of the “Initiative für Menschen im Wachkoma”, Graz, Austria, September 21<sup>st</sup> 2012.*

Instrumental sensorimotor-rhythm conditioning: a non-pharmacological treatment alternative for insomnia? Invited speaker at the *40<sup>th</sup> Anniversary of the European Sleep Research Society (ESRS), Paris, France, September 4<sup>th</sup> to 8<sup>th</sup> 2012.*

The fate of incoming stimuli during deep sleep is determined by spontaneous NREM sleep features. Invited speaker at the *40<sup>th</sup> Anniversary of the European Sleep Research Society (ESRS), Paris, France, September 4<sup>th</sup> to 8<sup>th</sup> 2012.*

Sleep and memory – From healthy sleep to insomnia. Invited speaker at the *4<sup>th</sup> Amsterdam Memory Slam, Amsterdam, Netherlands, August 30<sup>th</sup> to 31<sup>st</sup> 2012.*

Sleep and cognition: A field with potential implications for psychology. Invited speaker at the *30<sup>th</sup> International Congress of Psychology, Cape Town, South Africa, July 22<sup>nd</sup> to 27<sup>th</sup> 2012.*

Diagnostic significance of linguistic paradigms and sleep in disorders of consciousness. Invited talk at the *5<sup>th</sup> International Conference on Cognitive Science, Kaliningrad, Russia, June 19<sup>th</sup> to 23<sup>rd</sup> 2012.*

Non-pharmacological treatment of primary insomnia using sensorimotor-rhythm neurofeedback. Invited at the *10<sup>th</sup> Annual Meeting of the Austrian Society for Psychology (ÖGP), Karl-Franzens University, Graz, Austria, April 12<sup>th</sup> to 14<sup>th</sup> 2012.*

## 2011

Non-pharmacological treatment of insomnia by instrumental SMR conditioning. *Clinical Cognitive Neuroscience Workshop of the Skyra Imagistics Platform, Cluj-Napoca, Romania, December 19<sup>th</sup>-20<sup>th</sup> 2011.*

"Schlaf, Bewusstsein und Kognition" (Bericht und Diskussion neuester Ergebnisse der Schlaf- und Gehirnforschung). *PPP-Lehrerfortbildung, Salzburg, 8th of November 2011.*

„Intrinsische Gehirnaktivität in außergewöhnlichen Bewusstseinszuständen“. *Wiener Herbsttage für transkulturelle Psychiatrie, AKH Wien, Wien, 5th of November 2011.*

„Verbreitung und Wirksamkeit klientenzentrierter Psychotherapie in Österreich – Präsentation der Studienergebnisse: Phase 1“. *ÖGWG Woche, Regionalzentrum Salzburg, Schloss Puchberg bei Wels, 22nd – 26th of October 2011.*

Neurofeedback for enhancing memory and sleep quality in healthy individuals and insomnia patients. *Université de Liège, Cyclotron Research Centre, Belgium, October 18<sup>th</sup> 2011.*

Residual cognitive processing and sleep – current findings. *Closing Meeting of the COST Action BM0605, COST Office, Bruxelles, Belgium, October 17<sup>th</sup> 2011.*

SMR Neurofeedback: A non-pharmacological treatment alternative for enhancing memory and sleep quality. *Universität Salzburg, Fachbereich Psychologie, Österreich, October 5<sup>th</sup> 2011.*

Karriereentwicklung und die Bedeutung vom Arbeiten im Ausland. ÖGP (Austrian Psychological Society) Young Scientist Summer School 2011. *Spital am Pyrn, Austria, 20th – 22nd of July 2011*

SMR Neurofeedback und dessen Anwendung für die primäre Insomnie. *Schloß Seggau, Austria, 13<sup>th</sup> - 15<sup>th</sup> of May 2011.*

Biologische Psychologie: Blick ins Gehirn – Tag der offenen Tür: Universität Salzburg. *Universität Salzburg, Fachbereich Psychologie, Österreich, May 4<sup>th</sup> 2011.*

Sleep Spindles and Cognition. Invited talk at the *Max-Planck-Institut für Psychiatrie, Munich, Germany, April 26<sup>th</sup> 2011.*

Sleep and Residual Cognitive Processing in Disorders of Consciousness. Talk at the Centre for Neurocognitive Research within the BMBF programme “Vegetative State: A Paradigmatic Problem of Modern Society”, *Christian-Doppler-Hospital, Salzburg, Austria, March 22<sup>nd</sup> 2011.*

Sleep and Cognition - Residual Cognitive Processing and Sleep in Disorders of Consciousness. Invited talk at the *University of Zurich, Zurich, Switzerland, March 11<sup>th</sup> 2011.*

Vorstellung des Forschungsprojekts „Verbreitung und Wirksamkeit klientenzentrierter Psychotherapie

in Österreich“. ÖGWG Regionalzentrum Salzburg. Salzburg, 18<sup>th</sup> of January 2011.

## 2010

Altered States of Consciousness. Invited talk at the *Nicolaus Copernicus University, Torun, Poland, December 13<sup>th</sup> & 14<sup>th</sup> 2010.*

Vorstellung des Projekts der ÖGWG-Wissenschaftskommission zur quantitativen Psychotherapieforschung. Tagung der Österreichischen Gesellschaft für wissenschaftliche, klientenzentrierte Psychotherapie und personorientierte Gesprächsführung (ÖGWG). *Schloss Puchberg, Puchberg bei Wels, 20<sup>th</sup>-23<sup>rd</sup> of October 2010.*

Event-related brain oscillations in disorders of consciousness. 3<sup>rd</sup> International Conference on Coma and Consciousness. *Salerno, Italy, 4<sup>th</sup>-7<sup>th</sup> of July 2010.*

Sleep-dependent consolidation of temporal order in episodic memories. Final symposium of the ESRS – EU Marie Curie- Project “Training in Sleep Research and Sleep Medicine” (2007-2010). *Kloster Seeon, Germany, 2<sup>nd</sup>-6<sup>th</sup> of July 2010.*

Tutorial presenter (together with K. Hoedlmoser) "Train your brain! Understanding and applying the neurofeedback technique" at the 14th Annual Meeting of the Association for the Scientific Study of Consciousness (ASSC), *Toronto, Canada, June 24<sup>th</sup> 2010.*

Kognitive Verarbeitung in veränderten Bewusstseinszuständen. *Medizinischen Fakultät der Universität Regensburg, Abteilung für Psychosomatische Medizin, Germany, May 20<sup>th</sup> 2010.*

Neuropsychologie bewusster und unbewusster Prozesse – Tag der offenen Tür: Universität Salzburg. *Universität Salzburg, Fachbereich Psychologie, Österreich, April 28<sup>th</sup> 2010.*

Die Rolle des Schlafs auf die zeitliche Abfolge in episodischen Gedächtnisinhalten. Annual Meeting of the Austrian Sleep Research Association (ASRA). *Congresspark Igls, Austria, 23<sup>rd</sup> -25<sup>th</sup> of April 2010.*

Sleep and Memory Consolidation: From healthy to disordered sleep. Opening talk and chair in the symposium “Sleep and Memory Consolidation” at the 9<sup>th</sup> Annual Meeting of the Austrian Association for Psychology (ÖGP), *University of Salzburg, Austria, April 8<sup>th</sup> -10<sup>th</sup> 2010.*

Twentyfour hour EEG in Coma Patients. Invited talk at the "Generalversammlung der Österreichischen Wachkoma Gesellschaft" (Austrian Coma Society), *Vienna, Austria, March 31<sup>st</sup> 2010.*

## 2009

Residual Cognitive Processing in Altered States of Consciousness (Habilitation Presentation). *University of Salzburg, November 4<sup>th</sup> 2009.*

Neuroimaging, sleep and memory and its relevance for sports. Invited talk at the Meeting of the “Bundessportakademien” (federal training course for sport coaches), *Bad Leonfelden, Austria, November 24<sup>th</sup> - 26<sup>th</sup> 2009.*

Neurofeedback Training für Insomnie- Patienten. Neurofeedback Symposium. *Universitätsspital Zürich, August 28<sup>th</sup> 2009.*

Neurofeedback: Grundlagen und Anwendungen (Neurodynamik bei Biofeedback). Workshop speaker at the conference “Neurobiologie der Psychotherapie – Beziehung und Komplexität”, *Große Aula der Universität Salzburg, Austria, July 3<sup>rd</sup> - 5<sup>th</sup> 2009.*

Instruction following in disorders of consciousness. Invited talk at the 13<sup>th</sup> Annual Meeting of the Association for the Scientific Study of Consciousness, *Humboldt-University of Berlin, Germany, June 5<sup>th</sup> - 8<sup>th</sup> 2009.*

Brain oscillations shaping sensory awareness. Invited talk at the 2<sup>nd</sup> international symposium entitled “Coma and Consciousness: Clinical, societal and ethical implications”. Satellite to the 13<sup>th</sup> Annual Meeting of the Association for the Scientific Study of Consciousness, *Humboldt-University of Berlin, Germany, June 4<sup>th</sup> - 5<sup>th</sup> 2009.*

Operant conditioning of rhythmic sensorimotor EEG activity: Effects on insomnia. Invited talk at the Society for the Advancement of Brain Analysis, *St. Augustine, Florida, USA, May 1<sup>st</sup> - 5<sup>th</sup> 2009.*

A non-pharmacological alternative for the treatment of primary insomnia – Neurofeedback. Invited talk at the Department for Sleep & Cognition at the Netherlands Institute for Neuroscience (Prof. Van

Someren), *Amsterdam, Netherlands, 11<sup>th</sup> of February 2009.*

## 2008

Oscillatory events in light non-REM sleep. Invited talk at the symposium “Brain Oscillatory Correlates of Cognitive Processes” (Chair: W. Klimesch / P. Sauseng) at the XXIX International Congress of Psychology, *Berlin, Germany, July 20<sup>th</sup> -25<sup>th</sup> 2008.*

Sleep, memory consolidation and neurofeedback. Invited talk at University of Lyon (Dr. Perrin, CNRS-UCBL), *France, June 6<sup>th</sup> 2008.*

Sleep and memory consolidation. Invited talk at the Department of Experimental Psychology (Prof.Dr. Bäuml), *University of Regensburg, Germany, April 30<sup>th</sup> 2008.*

Oscillatory events during sleep and their significance for memory consolidation. Opening talk at the symposium “Sleep and Memory Consolidation” (Chair: M. Schabus) at the 8<sup>th</sup> Annual Meeting of the Austrian Association for Psychology, *University of Linz, Austria, April 24<sup>th</sup> -26<sup>th</sup> 2008.*

Interindividual sleep spindle differences and their relation to learning-related enhancements. Talk at the Annual Meeting of the Austrian Sleep Research Association, *St. Virgil, Salzburg, Austria, April 4-6<sup>th</sup> 2008.*

Sleep and cognition and their alteration by instrumental conditioning. Invited talk at the Department for Psychology, *University of Salzburg, Austria, March 5<sup>th</sup> 2008.*

Instrumental conditioning of human sensorimotor rhythm and its impact on sleep, cognition and insomnia. Invited talk at the 12<sup>th</sup> annual meeting of the Biofeedback Foundation of Europe (BFE); Symposium: Effects of neurofeedback on sleep and sleep disorders (Chair: Sterman, B.). *University of Salzburg, Austria, February 21<sup>st</sup> 2008.*

## 2007

Der Schlaf. Seine Bedeutung für die Gedächtniskonsolidierung und neueste Erkenntnisse zur simultanen EEG/fMRI Forschung. Invited talk at the ,Universitätsklinikum Aachen, Klinik für Psychiatrie und Psychotherapie’ (Prof.DDr. Schneider), *Aachen, Germany, April 24<sup>th</sup> 2007.*

## 2006

Neural correlates of sleep spindles as revealed by simultaneous electroencephalography (EEG) and functional magnetic resonance imaging (fMRI). Invited talk at the 18th meeting of the ,European Sleep Research Society’ (ESRS), *Innsbruck, Austria, September 15<sup>th</sup> 2006.*

Schlaf, Lernen und Gedächtnis. Invited talk and workshop on “Neurowissenschaften, Instruktion, Lernen” at the ,Clinic for Psychiatry and Psychotherapy’ (Dr. Rodenbeck/Prof. Huether), *Göttingen, Germany, June 15<sup>th</sup> - 16<sup>th</sup> 2006.*

## 2005

Sleep spindles and their significance for memory consolidation and general cognitive abilities. Invited talk at the Université de Liège, *Liège, Belgium, Dec. 8<sup>th</sup> 2005.*

Sleep-spindle related activity in the human EEG and their interaction with memory performance. Keynote speaker at the 9th annual meeting of the ,Biofeedback Foundation of Europe’, Provinciale Hogeschool Limburg, *Hasselt, Belgium, February 22<sup>nd</sup> - 27<sup>th</sup> 2005.*

## 2004

The relationship between sleep spindle activity, phase-locking of the EEG and declarative memory consolidation. Invited talk at the 17th meeting of the European Sleep Research Society (ESRS), *Prague, Czech Republic, October 5<sup>th</sup> - 9<sup>th</sup> 2004.*

Schlafspindeln und deren Bedeutung für deklarative Gedächtniskonsolidierung. Invited talk at the 12th meeting of the ,German Society for sleep research and sleep medicine’ (DGSM), *Freiburg, Germany, September 23<sup>th</sup> - 25<sup>th</sup> 2004.*

Sleep spindles and their significance for declarative memory consolidation. Invited talk at the Col·legi de Psicòlegs - Catalan Society for Neuropsychology, *Barcelona, Spain, May 25<sup>th</sup>, 2004.*

The significance of sleep and sleep spindles for declarative memory consolidation. Invited talk at the Facultat de Psicologia, Universitat Autònoma de Barcelona, *Barcelona, Spain, May 24<sup>th</sup> 2004.*

## 2003

Sleep spindles and its significance for memory consolidation. Invited talk at the Institute for Psychology, Marburg, Germany, November 14<sup>th</sup> 2003.

Schlaf und Gedächtnis. Invited talk at the "Salzburger Gesellschaft für Psychologie", Salzburg, Austria, November 12<sup>th</sup> 2003.

Learning during sleep and dreaming: „Myth or reality“ ? Talk at the "Towards a Science of Consciousness 2003 Conference", Prague, Czech Republic, July 6<sup>th</sup> - 10<sup>th</sup> 2003.

**Public  
Relations**

**2021**

Schabus, M. (Redakteurin Dasch, A.) (2021, April 30<sup>th</sup>). "Gute Nacht, schlummere schön". *Salzburger Nachrichten*, p. 24.

Schabus, M. (2021, April 13<sup>th</sup>). "Veränderung des Schlafs bei Kindern & Jugendlichen zu Corona-Zeiten". Salzburg, Austria: *Welle 1 (Radio)*.

Schabus, M. (Redakteurin Sonntag, C.) (2021, April 10<sup>th</sup>). "Studie: Kinder leiden durch Pandemie". In "Salzburg aktuell Journal". Salzburg, Austria: *ORF Radio Salzburg (Radio)*.

Schabus, M. (Redakteur Viehmann, S.) (2021, April 8<sup>th</sup>). "Schlafstörungen, Bewegungsmangel, Computer-Sucht: Lockdown-Folgen für Kinder". *Focus online*. Retrieved from [https://www.focus.de/corona-virus/wir-muessen-jetzt-handeln-schlafstoerungen-bewegungsmangel-computer-sucht-lockdown-folgen-fuer-kinder\\_id\\_13167397.html](https://www.focus.de/corona-virus/wir-muessen-jetzt-handeln-schlafstoerungen-bewegungsmangel-computer-sucht-lockdown-folgen-fuer-kinder_id_13167397.html).

Schabus, M. & Eigl, E. (2021, April 7<sup>th</sup>). "Kinder fühlen sich von Pandemie belastet". In "Nachrichten". Salzburg, Austria: *Antenne Salzburg (Radio)*.

Schabus, M. (2021, April 7<sup>th</sup>). "Studie: Kinder leiden durch Pandemie". In "Mittagszeit". Salzburg, Austria: *ORF Radio Salzburg (Radio)*.

Schabus, M. & Eigl, E. (2021, April 7<sup>th</sup>). "Kinder und Jugendliche stöhnen unter Corona". *Salzburger Nachrichten*, p. 4.

Schabus, M. & Eigl, E. (2021, April 7<sup>th</sup>). "Was nervt Jugendliche? Keine Freunde zu treffen". *Die Presse*, p. 12.

Schabus, M. (2021, April 6<sup>th</sup>). "Studie: Kinder leiden durch Pandemie". In "Salzburg Heute". Salzburg, Austria: *ORF 2 (TV)*.

Schabus, M. & Hödlmoser, K. (2021, April 6<sup>th</sup>). "Deutlich mehr Schlafstörungen bei Kindern und Jugendlichen". In "Servus am Abend". Salzburg, Austria: *Servus TV (TV)*.

Schabus, M. (2021, April 6<sup>th</sup>). "Studie: Kinder leiden durch Pandemie". Salzburg.orf.at. Retrieved from <https://salzburg.orf.at/stories/3097975/>.

Schabus, M., & Eigl, E. (2021, April 6<sup>th</sup>). Austrian Press Agency (APA) press release on "Kinder fühlen sich von Pandemie belastet". Covered in Salzburg24.at; Kleine Zeitung; k.at; studium.at, exxpress.at.

Schabus, M. (2021, March 27<sup>th</sup>). "Warnung vor psychischen Krisen". In "Salzburg Heute". Salzburg, Austria: *ORF 2 (TV)*.

Schabus, M., Bothe K., & Hödlmoser, K. (2021, March 26<sup>th</sup>). Austrian Press Agency (APA) press release on "Schlafstörungen von Kindern und Jugendlichen stark gestiegen". Covered in Salzburg24.at; Salzburg.orf.at; Kleine Zeitung; Salzburger Nachrichten; k.at; studium.at.

Schabus, M. (2021, March 12<sup>th</sup>- 13<sup>th</sup>). Austrian Press Agency (APA) press release on "Acht von zehn Kindern geht es schlechter als vor Pandemie". Covered in oe24.at; Salzburg24.at; Salzburg.orf.at; Vorarlberg online; Kleine Zeitung; Tiroler Tageszeitung; Salzburger Nachrichten; Oberösterreichische Nachrichten; Kurier.

Schabus, M. (Redakteurin Sonntag, C.) (2021, March 13<sup>th</sup>). "Corona Kids - So geht es den Volksschülern in der Pandemie". In "Ö1 Nachrichten". Salzburg, Austria: *Ö1 (Radio)*.

Schabus, M. (Redakteurin Sonntag, C.) (2021, March 13<sup>th</sup>). "Corona Kids - So geht es den Volksschülern in der Pandemie". In "Salzburg aktuell Nachrichten". Salzburg, Austria: *ORF Radio Salzburg (Radio)*.

Schabus, M. (2021, March 12<sup>th</sup>). "Corona: Massive Folgen für Kinder". In "Servus Nachrichten".

Salzburg, Austria: *Servus TV (TV)*.

Schabus, M. (Redakteur Kofler, T.) (2021, March 9<sup>th</sup>). "Laufen gegen Ängste". *Run Austria*. Retrieved from <https://runaustria.at/training/gesundheit/2021/03/laufen-gegen-aengste/>.

Schabus, M. (2021, February 23<sup>rd</sup>-March 4<sup>th</sup>). Austrian Press Agency (APA) press release on "Uni Salzburg startet Befragung von Kindern und Jugendlichen". Covered in [oe3.at](http://oe3.at); [salzburg.orf.at](http://salzburg.orf.at); [meinbezirk.at](http://meinbezirk.at); Vorarlberger Familienverband; Kleine Zeitung.

Schabus, M. (Redakteurin Steger, K.) (2021, March 2<sup>nd</sup>). "Die psychosozialen Folgen der Maßnahmen – Univ.Prof. Dr. Manuel Schabus". *Plattform RESPEKT*. Retrieved from <https://www.youtube.com/watch?v=LRByzxcjZj0>.

Schabus, M. (Redakteurin Steger, K.) (2021, March 2<sup>nd</sup>). "Die psychosozialen Folgen der Maßnahmen". *Plattform RESPEKT*. Retrieved from <https://respekt.plus/die-psychosozialen-folgen-der-massnahmen/>.

Schabus, M. (Redakteur Temel, P.) (2021, February 22<sup>nd</sup>). "Lockdown-Kritik in ORF-Talk: "Die Leute machen nicht mehr mit"". *Kurier*. Retrieved from <https://kurier.at/kultur/medien/lockdown-in-kritik-pfeile-gegen-corona-duerfen-nicht-stumpf-werden/401196296>.

Schabus, M. (Redakteur Viehmann, S.) (2021, February 22<sup>nd</sup>). "Umfrage zu Pandemie und Lockdown - Deutsche überschätzen ihr eigenes Corona-Risiko um ein". *Focus online*. Retrieved from [https://www.focus.de/corona-virus/umfrage-zu-pandemie-und-lockdown-deutsche-ueberschaetzen-ihr-eigenes-corona-risiko-um-das-7-bis-38-fache\\_id\\_13007157.html](https://www.focus.de/corona-virus/umfrage-zu-pandemie-und-lockdown-deutsche-ueberschaetzen-ihr-eigenes-corona-risiko-um-das-7-bis-38-fache_id_13007157.html).

Schabus, M. (2021, February 21<sup>st</sup>). "Zwischen Virologie und Psychologie - Ist der Lockdown bis Ostern gerechtfertigt?". In "*Im Zentrum*". Wien, Austria: *ORF 2 (TV)*.

Schabus, M. (2021, February 18<sup>th</sup>). "Soziale Eiszeit: Wie krank machen uns die Corona-Maßnahmen?". In "*Talk im Hangar-7*". Salzburg, Austria: *Servus TV (TV)*.

Schabus, M. (Redakteur Viehmann, S.) (2021, February 8<sup>th</sup>). "Eigenes Risiko völlig überschätzt: Wie Österreicher Corona und Lockdown erleben". *Focus online*. Retrieved from [https://www.focus.de/gesundheit/40-prozent-wollen-sich-impfen-lassen-subjektives-risiko-voellig-ueberschaetzt-was-oesterreicher-wirklich-von-corona-und-lockdown-halten\\_id\\_12950173.html](https://www.focus.de/gesundheit/40-prozent-wollen-sich-impfen-lassen-subjektives-risiko-voellig-ueberschaetzt-was-oesterreicher-wirklich-von-corona-und-lockdown-halten_id_12950173.html)

Schabus, M. (2021, February 5<sup>th</sup>-7<sup>th</sup>). "Corona-Impfbereitschaft liegt laut Umfrage bei 45 Prozent". Covered in [Salzburger Nachrichten online](http://salzburger-nachrichten.at); [NÖN.at](http://noe.at); [oe24.at](http://oe24.at); [vn.at](http://vn.at); [Kronen Zeitung online](http://kronen-zeitung.at); [OÖNachrichten online](http://oö-nachrichten.at); [PULS24](http://puls24.at).

Schabus, M. (2021, February 5<sup>th</sup>). "Was macht Corona mit uns?". In "*Salzburg Heute*". Salzburg, Austria: *ORF 2 (TV)*.

Schabus, M. (2021, January 18<sup>th</sup>-19<sup>th</sup>). Austrian Press Agency (APA) press release on "Salzburger Psychologen erfassen Wissen und Einstellung zu Corona". Covered in [Salzburger Nachrichten](http://salzburger-nachrichten.at); [k.at](http://k.at); [salzburg.orf.at](http://salzburg.orf.at).

## 2020

Schabus, M. (2020, December 17<sup>th</sup>). "Gute Nacht". *Wienerin*.

Schabus, M. (2020, November 30<sup>th</sup>). "Folge 6 - Der Psychologe im Schlaflabor". In "*Ö1 Podcast Versuch und Irrtum*". *Ö1 (Radio)*.

Schabus, M. (Redakteurin Glas, S.) (2020, November 7<sup>th</sup>). "Der "soziale Jetlag" lässt im Lockdown nach". *Salzburger Nachrichten*.

Schabus, M. (Redakteurinnen Treichl-Stürgkh, D. & Siller, L.) (2020, November 1<sup>st</sup>). "5 Sinne - Hören". *H.O.M.E. - Österreichs bestes Wohnmagazin*.

Schabus, M. (Redakteurin Senarclens De Grancy, A.) (2020, October 24<sup>th</sup>). "Warum fällt man beim Schlafen nicht aus dem Bett?". *Die Presse*.

Schabus, M. (2020, September 18<sup>th</sup>). "Raubt uns Corona den Schlaf?". *Weekend.at*. Retrieved from <https://www.weekend.at/lifestyle/fitness/schlafprobleme-der-corona-krise>

Schabus, M. (2020, July 1<sup>st</sup>). "Die Arbeit unseres Unterbewusstseins im Schlaf". *PULS - Das Salzburger Magazin für Medizin, Gesundheit und Freizeit*.

Schabus, M. (2020, June 19<sup>th</sup>). "Die Corona-Krise wirkt auch auf die Erholung aus". *Kronen*

*Zeitung.*

Schabus, M. (Redakteur Schwischei, G.) (2020, June 25<sup>th</sup>). "Wie sich die Coronakrise auf den Schlaf auswirkte". *Salzburger Nachrichten*.

Schabus, M. (2020, June 18<sup>th</sup>). "So beeinflusst der Schlaf das Immunsystem". *Heute.at*. Retrieved from <https://www.heute.at/s/so-beeinflusst-der-schlaf-das-immunsystem-100087382>

Schabus, M. (2020, June 18<sup>th</sup>). "Wie haben Sie in den vergangenen Wochen geschlafen?". *OÖ Nachrichten*.

Schabus, M. (2020, June 18<sup>th</sup>). "Betten Reiter: Schlafen ist Fitness-Programm". *Österreich Wien*.

Schabus, M. (2020, June 17<sup>th</sup>). "Wo kein Gift rein kommt, kommt auch nie solches raus". *Opinion Leaders Network*. Retrieved from <https://www.leadersnet.at/news/44078,wo-kein-gift-rein-kommt-kommt-auch-nie-solches-raus.html>

Schabus, M. (Redakteur Hartl, T.). (2020, June 8<sup>th</sup>). "Nachtaktives Gehirn – An Schlaf nicht zu denken". *OÖ Nachrichten*. Retrieved from <https://www.nachrichten.at/meine-welt/gesundheitsforum/gesundheitsforum/nachtaktives-gehirn-an-schlaf-nicht-zu-denken;art12300,3255726>

Schabus, M. (Redakteur Hartl, T.). (2020, June 8<sup>th</sup>). "Nachtaktives Gehirn – An Schlaf nicht zu denken". *meinegesundheits.at ÖGK - Forum Gesundheit*. Retrieved from <https://www.meinegesundheits.at/cdscontent/?contentid=10007.859015&portal=meinegesundheitsportal>

Schabus, M. (2020, April 22<sup>nd</sup>). "Wie die fortschreitende Digitalisierung unseren Schlaf beeinflusst". In "Sleep Attack • A podcast on Anchor". <https://anchor.fm/biofex/episodes/26---Dr--Manuel-Schabus-Wie-die-fortschreitende-Digitalisierung-unseren-Schlaf-beeinflusst-ecqioq> (Podcast).

Schabus, M. (2020, April 1<sup>st</sup> - 15<sup>th</sup>). "Thema Schlaf". In "Studiostunde". Austria: *KroneHit (Radio)*.

Schabus, M. (2020, February 14<sup>th</sup>). "Lernen im Schlaf". In "P.M. Wissen". Austria: *Servus TV (TV)*.

Schabus, M. (Redakteur Schmidt, V.). (2020, January 18<sup>th</sup>). "Babys lernen Kinderlieder schon im Mutterleib". *Die Presse*.

Schabus, M. (Redakteurin Burtscher, I.) (2020, January 2<sup>nd</sup>). "Erholsamer Schlaf verlängert das Leben". *Salzburger Nachrichten*.

## 2019

Schabus, M. (Redakteurin Schwander, D.) (2019, Dezember 18<sup>th</sup>). "Schlechter Schlaf quält den Körper". *Die ganze Woche*.

Schabus, M. (2019, Dezember). "Wunder Schlaf". *Gesünder Leben Magazin*.

Schabus, M. (2019, October 16<sup>th</sup>). "Erholsamer Schlaf verlängert das Leben". *Salzburger Nachrichten*.

Schabus, M. (2019, October 5<sup>th</sup>). "Schlaf-Geheimnisse". *Salzburger Uni-Nachrichten*.

Schabus, M. & Hödlmoser, K. (2019, October 1<sup>st</sup>). "Gut geschlafen? - So sorgen Sie für besseren Schlaf". *Medizin populär*.

Schabus, M. (2019, September 28<sup>th</sup>). "Die Schattenseiten des Lichts". In "Newton". Austria: *ORF 1 (TV)*.

Schabus, M. (2019, September 25<sup>th</sup>). "Besser schlafen mit Podcasts". In "Treffpunkt Podcast". *Hitradio Ö3 (Radio)*.

Schabus, M. (2019, August 30<sup>th</sup>). Austrian Press Agency (APA) press release on "Lebenselixier Schlaf".

Schabus, M. (2019, August 1<sup>st</sup>). "Unterschiedliches Schlafverhalten zwischen Männern und Frauen". In "Guten Morgen Salzburg". *ORF Salzburg (Radio)*.

Schabus, M. (2019, June 22<sup>nd</sup>). "Viele Österreicher schlafen schlecht". *Salzburger Nachrichten*.

Schabus, M. (2019, June 21<sup>st</sup>). Austrian Press Agency (APA) press release on "'Tag des Schlafes': Österreicher schlafen lange, aber schlecht". Covered in *Salzburger Nachrichten online; kleine Zeitung.at; salzburg24.at; vienna.at; kurier.at; ORF Salzburg online; OÖNachrichten online; Tiroler Tageszeitung online; The World News; Vorarlberger Nachrichten online*.

Schabus, M. (Redakteur Däuble, W.). (2019, June 8<sup>th</sup>). "Warum haben Kinder öfter Albträume als Erwachsene?". *Die Presse*.

Schabus, M. (Redakteurin Schmidt, V.). (2019, May 4<sup>th</sup>). "Was passiert bei einem Déjà-vu im Gehirn?". *Die Presse*.

Schabus, M. & Hödlmoser, K. (2019, May 3<sup>rd</sup>). "Ein Drittel hat schlechten Schlaf". *Bezirksblätter Salzburg*.

Schabus, M. (Redakteurin Fischer-Colbrie, J.). (2019, April 1<sup>st</sup>). "Mozart oder Metallica? Was der Babybauch liebt!". *active beauty Online Magazin*. Retrieved from <https://www.activebeauty.at/familie/baby/mozart-oder-metallica-was-der-babybauch-liebt>

Schabus, M. (2019, March 30<sup>th</sup>). "An der Uhr wird wohl nicht mehr oft gedreht". *Salzburger Nachrichten*.

Schabus, M. (2019, March 28<sup>th</sup>). "Arbeitsstress und Handys sind Schlafräuber". *Tennengauer Nachrichten*.

Schabus, M. (2019, March 18<sup>th</sup>). "Arbeitsstress und Handys sind Schlafräuber". *Salzburger Landeskorrespondenz*. Retrieved from [https://service.salzburg.gv.at/lkorj/Index?cmd=detail\\_ind&nachrid=61324](https://service.salzburg.gv.at/lkorj/Index?cmd=detail_ind&nachrid=61324)

Schabus, M. & Hoedlmoser, K. (2019, March 15<sup>th</sup>). "Weltschlaftag 2019 - Neue Studie: Österreicherinnen schlafen schlecht". *Kleine Zeitung online*. Retrieved from [https://www.kleinezeitung.at/lebensart/5596466/Weltschlaftag-2019\\_Neue-Studie\\_Oesterreicherinnen-schlafen-schlecht](https://www.kleinezeitung.at/lebensart/5596466/Weltschlaftag-2019_Neue-Studie_Oesterreicherinnen-schlafen-schlecht)

Schabus, M. (2019, March 21<sup>st</sup>). "Frühlingsmüdigkeit, Schlaf und Fitness". In "Mittagszeit". *ORF Salzburg (Radio)*.

Schabus, M. (2019, March 15<sup>th</sup>). Austrian Press Agency (APA) press release on "Wie schläft Österreich?". Covered in *Salzburger Nachrichten*.

## 2018

Schabus, M. (2018, December 3<sup>rd</sup>-6<sup>th</sup>). "Die Kunst des Schlafens". In "Ö1 Radiokolleg". *Ö1 (Radio)*.

Schabus, M. (Redakteurin Blage, J.). (2018). „Die Zeit in uns“. *Süddeutsche Zeitung*, October 27<sup>th</sup> 2018.

Schabus, M. (2018, October 18<sup>th</sup>). Thema „Intelligente Zellen“. In „Wildshuter Feldgespräch“. (*Diskussionsrunde*).

Schabus, M. (Redakteurin Zakravsky, R.). (2018). "Willkommen in der Winterzeit". *Gesund&Fit*, October 22<sup>nd</sup> 2018.

Schabus, M. (Redakteurin Mayer, M.). (2018). „Dicker, dümmer und grantiger“ durch dauerhafte Sommerzeit?. *Salzburger Nachrichten – Uni Nachrichten*, October 6<sup>th</sup> 2018.

Schabus, M. (2018, August). "Wie Sie besser schlafen". *mein Rotes Kreuz*.

Schabus, M. (2018, May 25<sup>th</sup>). "[Ausschlafen im Urlaub – Bringt das was?](https://www.schroedingerskatze.at/urlaub-schlafen/)". *schroedingerskatze.at*. Retrieved from <https://www.schroedingerskatze.at/urlaub-schlafen/>

Schabus, M. (2018, April 12<sup>th</sup>). "Gesunder Schlaf". In "Mittagszeit". *ORF Salzburg (Radio)*.

Schabus, M. (2018, April 11<sup>th</sup>). "Jeder Mensch kann schlafen lernen- wahr oder falsch?". In "MERYNS sprechzimmer". Austria: *ORF III (TV)*.

Schabus, M., Hödlmoser, K., Kunz, A. (2018, April 7<sup>th</sup>). "Gute Nacht – das hilft bei Schlafproblemen". In "Bewusst Gesund – Das Magazin". Austria: *ORF 2 (TV)*.

Schabus, M. (2018, March 25<sup>th</sup>). "[Schlafforscher Manuel Schabus im Sonntags-Talk: „Beim Schlaf geht es um mehr als Erholung“](http://www.salzburg24.at/schlafforscher-manuel-schabus-im-sonntags-talk-beim-schlaf-geht-es-um-mehr-als-erholung/5227711)". *Salzburg24.at*. Retrieved from <http://www.salzburg24.at/schlafforscher-manuel-schabus-im-sonntags-talk-beim-schlaf-geht-es-um-mehr-als-erholung/5227711>

Schabus, M. (2018, March 20<sup>th</sup>). "[Schlafprobleme in Zahlen](https://www.orf.at/stories/2911111/)". *ORF online – Unterwegs in Österreich*.

Schabus, M. (2018, March 16<sup>th</sup>). "Immer mehr Schlafstörungen". In "Salzburg Aktuell (News)". *ORF Salzburg (Radio)*.

Schabus, M. (2018, March 16<sup>th</sup>). "Probleme bei Schlafmangel". In "Ihr Vormittag". *ORF Salzburg (Radio)*.

Schabus, M. (2018, March 16<sup>th</sup>). "Woche des Gehirns: Im Schlaf lernen". In "Guten Morgen Salzburg". *ORF Salzburg (Radio)*.

Schabus, M. (2018, March 16<sup>th</sup>). "[Online-Befragung zu Schlafgewohnheiten](#)". *salzburg@orf.at*.

Schabus, M. (Redakteurin Barbara Morawec). (2018, March 16<sup>th</sup>). "Österreicher schlafen immer schlechter". *Salzburger Nachrichten*.

Schabus, M. (Redakteur Grancy, A.) (2018, February 24<sup>th</sup>). "Warum vergessen wir Träume so schnell wieder?". *Die Presse*.

## 2017

Schabus, M. (Redakteur Alois Pumhösel). (2017, December 22<sup>nd</sup>). "[Wie sich Informationen über unseren Schlaf gewinnen lassen](#)". *Der Standard Online*.

Schabus, M. (Redakteur Alois Pumhösel). (2017, December 20<sup>th</sup>). "Jetzt aber ab in die Federn!". *Der Standard*.

Schabus, M. (2017, July 29<sup>th</sup>). "Biofeedback gegen Schlafstörungen". In "Bewusst gesund – Das Magazin". *ORF 2 (TV)*.

Schabus, M. (Redakteurin Suchanek, P.) (2017, May 29<sup>th</sup>). Bettgeflüster: Trends im Schlafzimmer. *Salzburger Fenster*.

Schabus, M. (Redakteur Grancy, A.) (2017, May 20<sup>th</sup>). "Gibt es die Frühjahrsmüdigkeit wirklich?". *Die Presse*.

Schabus, M. (2017, April 29<sup>th</sup>). "Innere Uhr bei Wachkoma-Patienten". *Vorarlberger Nachrichten*.

Schabus, M. (2017, March 17<sup>th</sup>). "Schlafen Sie gut?". In "Guten Morgen Österreich". *ORF 2 (TV)*.

Schabus, M. (2017, March 11<sup>th</sup>). "Wie der Schlaf beim Lernen hilft". *Der Standard*.

Schabus, M. (2017, February 23<sup>rd</sup>). "Placebo sorgt auch für Schlaf". *Salzburger Nachrichten*.

Schabus, M. (2017, February 22<sup>nd</sup>). "Schlafstörungen : Neurofeedback nicht besser als Placebo". *Der Standard*.

Schabus, M. (2017, February 21<sup>st</sup>). Press release on "Better than sham? A double-blind placebo-controlled neurofeedback study in primary insomnia." in various online sites (*academic.oup.com/brain, sleepassociation.org, sciencedaily.com, medicaldaily.com, science.apa.at, eurekaalert, uni-salzburg.at, salzburg.orf.at, salzburg24.at etc.*).

Schabus, M. (2017, February 6<sup>th</sup>). "Schlaf lässt die Synapsen schrumpfen". *Der Standard*.

Schabus, M. (2017, January 25<sup>th</sup>). "Schlaf : Aussichtslose Flucht vor der Erholung". *Der Standard*.

## 2016

Schabus, M. (2016, December 22<sup>nd</sup>). "Babys lernen schon im Mutterleib bei Servus am Morgen". In "Servus am Morgen". Austria: *Servus TV (TV)*.

Schabus, M. (2016, December 13<sup>rd</sup>). "Salzburger Forscher zeigen : Babys lernen schon im Mutterleib". *Salzburger Nachrichten*.

Schabus, M. (2016, March 21<sup>st</sup>). "Montagsdepressionen bei Servus am Morgen". In "Servus am Morgen". Austria: *Servus TV (TV)*.

Schabus, M. (2016, March 10<sup>th</sup>). "Mittagsschlaf entlastet das Herz". In "Salzburg Heute". Salzburg,

Austria: *ORF 2 (TV)*.

Schabus, M. (2016, March 1<sup>st</sup>). "Frühlingsmüdigkeit oder Frühlingsgefühle?". In "*Guten Morgen Salzburg*". *ORF Salzburg (Radio)*.

Schabus, M. (2016). Gehirntraining gegen Schlafstörungen / Brain Training against Sleep Disorders. *pars pro toto – FWF Jahrbuch 2015*, 58-61.

## 2015

Schabus, M. (2015). Pioneering work at the limits of consciousness. *PLUS Report 2015*, 12-17.

Schabus, M. (Redakteurin Elisabeth Parteli). Wir erlauben es uns nicht, zu schlafen. *ff – Das Südtiroler Wochenmagazin*, No. 49, pp. 36-37, 3<sup>rd</sup> of December 2015.

Schabus, M. (2015, December 2<sup>nd</sup>). Klug und schön im Schlaf. In "*Treffpunkt Medizin*". Austria: *ORF III (TV)*.

Schabus, M. (2015, November 17<sup>th</sup>). Biofeedback gegen Schlafstörungen. In "*Bewusst gesund – Das Magazin*". Austria: *ORF 2 (TV)*.

Schabus, M. (2015). Durch Neurofeedback besser schlafen. *Salzburger Nachrichten*, 9<sup>th</sup> of November 2015.

Schabus, M. (2015). Wie Sie zu einem besseren Schlaf finden. *Salzburger Nachrichten*, 6<sup>th</sup> of November 2015.

Schabus, M. (2015). Schlaf gut! Hilfreiches für eine ruhige Nacht. *Stadt Nachrichten*, 5<sup>th</sup> of November 2015.

Schabus, M. (Redakteurin S. Treibenreif). Gute Nacht ! *Südtiroler Wirtschaftszeitung*, 20 / 15, S. 17, 22<sup>nd</sup> of May 2015.

Schabus, M. (2015, April 22<sup>nd</sup>). Schlafen lernen - Gehirnwellentraining statt Medikamente gegen Schlaflosigkeit. Vienna, Austria: *ORF Radio Österreich 1 „Radiodoktor“* (Moderatorin: M. Darrer).

Schabus, M. (2015, April 16<sup>th</sup>). FWF press release via the Austrian Press Agency (APA) on "Gehirntraining statt Medikamente gegen Schlaflosigkeit". Covered in various newspapers and online sites including *DerStandard*, *Kurier*, *Salzburger Nachrichten*, etc.

Schabus, M. (Redakteurin DeGrancy, A.S.). Hilft Schäfchenzählen tatsächlich beim Einschlafen? *DiePresse*, S.35, 14<sup>th</sup> of March 2015.

## 2014

Schabus, M. (Redakteur Strübler, T.).(2014). Leistungsdruck, ständige Erreichbarkeit, Freizeitstress - Wir rauben uns den Schlaf. *Salzburger Fenster*, 29. December 2014, 6.

Schabus, M. (2014, December 3<sup>rd</sup>). [Science.talk : Schlafforscher Manuel Schabus](#). In "*science.talk*". Austria: *ORF III (TV)*.

Schabus, M. (Redakteurin Grancy, A.). (2014). Stille Zeugen : Menschen im Wachkoma. *Salzburger Nachrichten – Uni Nachrichten*, 11. Oktober 2014, 7.

File, N., Sauer, J., & Schabus, M. (2014, September 29). Neue Belege für die Wirksamkeit der klientenzentrierten Psychotherapie. Salzburg, Austria: *ORF Radio Österreich 1 „Dimensionen“* (Autor: W. Bauer)

Schabus, M. (Redakteurin Krichmayr, K.). An den Grenzen des Bewusstseins, *DerStandard*, 30. Juli 2014.

Schabus, M. (2014, July 3<sup>rd</sup>). Zwischen Schlaf und Wachkoma. In "*Salzburg Heute*". Salzburg, Austria: *ORF (TV)*.

Schabus, M. (Redakteurin Kastler, U.). (2014). Medizin denkt beim Wachkoma um. *Salzburger Nachrichten*, 28. Juni 2014, 22.

Schabus, M. (Redakteurin Grancy, A.). (2014). Stille Zeugen : Menschen im Wachkoma. *Die Presse*, 22. Juni 2014, 22-23.

Schabus, M. (Redakteur Weber, W.). (2014). Der Traum-Professor. *Kronen Zeitung*, 21. Juni 2014, 31.

Schabus, M. (2014). Salzburger Forscher erhielt Start-Preis. *Salzburger Nachrichten*, 18. Juni 2014, 19.

Schabus, M. (Redakteur Burger, M.). (2014). Auszeichnung für Spitzennachwuchswissenschaftler. *Der Kurier*, 16. Juni 2014, 19.

Schabus, M. (2014, June 14<sup>th</sup> to 30<sup>st</sup>). Consciousness on the Test Bed. Brain research between Sleep and Coma. Covered in various online sites (*DerStandard, Presse, Der Kurier, Salzburger Nachrichten, Austrian Press Agency, etc.*)

### 2013

Schabus, M. & Hödlmoser, K. (2013, November 7<sup>th</sup> to 9<sup>th</sup>). Uni:Hautnah – Public presentations of the Laboratory for Sleep, Cognition and Consciousness Research (Univ. Salzburg). At *Europark Salzburg, Salzburg, Austria*.

Schabus, M. (2013, October 15<sup>th</sup>). Public reading « Nicht im Traum » (R. Kleindienst) with online sleep-EEG presentation of the Laboratory for Sleep, Cognition and Consciousness Research. At the *University Library, Salzburg, Austria*.

### 2012

Schabus, M. et al. (2013, February 17<sup>th</sup>). Prinz Friso: Aus dem Leben katapultiert. (Redakteur Richter, C.). « *Die Presse* ».

Hoedlmoser, K., Sandkühler, J., Schabus, M., & Born, J. (Redakteur Neuroth, B.). (2012). Schlafwandel. *Profil* (34), 20. August 2012, 85-88.

Czisch, M., Holzinger, B., & Schabus, M. (Redakteur Plank, L.). (2012). Nächtliches Blackout. *Universum Magazin, Mai 2012, 114-118*.

Hödlmoser, K. & Schabus, M. (2012, April 27<sup>th</sup>). Lange Nacht der Forschung – Public demonstrations of the Laboratory for Sleep, Cognition and Consciousness Research: « ... nur Schlafen ist schöner? Schlaf und Kognition ». At *Natural Science Faculty, Salzburg, Austria*.

### 2011

Schabus, M., & Hödlmoser, K. (2011, December 19<sup>th</sup>). Schlafes Geheimnis. In “*Scientia Potentia Est*”, Austria: *ServusTV (TV)*.

Wachkoma – An der Grenze des Bewusstseins – Blickpunkt: Leben. Am Rande des Daseins? *Universität Salzburg, Österreich, October 12<sup>th</sup> 2011*.

Schabus, M. (2011, September 13<sup>th</sup>). “Sekunde bei Sekunde Verarbeitung im schlafenden Gehirn”. In “*Servus Salzburg*”. ORF Salzburg (Radio).

Schabus, M. (2011, September 6<sup>th</sup>). Austrian Press Agency (APA) press release on “Brain perceives stimuli during sleep according to actual brain state”. Covered in various online sites (*Science@ORF.at, Online Standard, etc.*) as well as newspapers.

Schabus, M. (2011, August 3<sup>rd</sup>). Die Hängematte das bessere Bett ? In “*Servus Journal*”, Austria: *ServusTV (TV)*.

Schabus, M. (2011, July 26<sup>th</sup>). Salzburger Schlafforscher für « Powernapping ». In « *Guten Morgen Salzburg* ». *ORF Salzburg (Radio & Online)*.

Griessenberger, H., Heib, D., & Schabus, M. (2011, February 16<sup>th</sup>). Uni Salzburg forscht an neuer Therapie gegen Schlafstörungen. *Salzburger Fenster*.

### 2010

Schabus, M. & Hödlmoser, K. (2010, November 4). Uni:Hautnah – « Powernapping ». In “*Salzburg Heute*”. Salzburg, Austria: *ORF (TV)*.

Hödlmoser, K. & Schabus, M. (2010, November 4<sup>th</sup> to 6<sup>th</sup>). Uni:Hautnah – Public demonstrations of the Laboratory for Sleep and Consciousness Research (Univ. Salzburg). At *Europark Salzburg, Salzburg, Austria*. [Awarded 3<sup>rd</sup> price in public voting]

Schabus, M. (2010, October 18). Schlaf dich schlau. In “*Gut leben*”, Austria: *ServusTV (TV)*.

Schabus, M. (2010, June 4). Gehirnleistung von Wachkoma-Patienten oft besser als vermutet. *Austria*

Press Agency (APA). (covered in *DerStandard, DiePresse, Salzburg Nachrichten, ...*)

Schabus, M. (2010, February 24). Schlaf und Schlaflosigkeit. In "Gut leben", Austria: *ServusTV (TV)*.

## 2009

Schabus, M. & Hödlmoser, K. (2009, December 23). Press release "Gegen die Schlaflosigkeit" in *Salzburger Stadtblatt, No.52*.

Schabus, M. & Hödlmoser, K. (2009, December 16). Powernapping - das Nickerchen zwischendurch, Salzburg, Austria: *CampusRadio 107,5 (Radio)*.

Schabus, M. & Hödlmoser, K. (2009, March 11). Press release on "Viel besser schlafen lernen" in *Salzburger Nachrichten – Gesünder Leben, p.20-21*. (Autor: S. Veigl)

## 2008

Schabus, M. & Hödlmoser, K. (2008, October 01). Press release on "Learning to Shape your Brain Activity May be an Effective Treatment for Insomnia" in various online sites (*American Academy of Sleep Medicine, Science Blog, MedPage Today, etc.*).

Doppelmayr, M., Hödlmoser, K., Schabus, M. (2008, May 18). Neurofeedback: Besser schlafen durch „Hirntraining“. *Die PRESSE* (Autoren: Claudia Lagler & Claudia Richter).

Schabus, M., Hödlmoser, K., et al. (2008, May 15). Besser schlafen. *Salzburger Nachrichten*.

Schabus, M. (2008, March 28). Kleine Rituale helfen beim Einschlafen. *Salzburger Nachrichten*, „Couchgeflüster“ (Autorin: B. Morawec)

Schabus, M., Hödlmoser, K. (2008, March 7). Lässt sich die Gedächtnisleistung während der Leichtschlafphase beeinflussen? Salzburg, Austria: *ORF Radio Österreich 1 „Dimensionen“* (Autorin: M. Mayer)

Klimesch, W., Schabus, M., Doppelmayr, M. (2008, March 3). Neuro- und Biofeedback: Ohne den Willen des Patienten geht nichts. *Medical Tribune, 40 (10), p.14*.

## 2007

Schabus, M. (2007, October 24). Gedächtnis I: Bedrohliches bleibt. *Die Presse*.

Schabus, M. (2007, October 13). Wachsein, schlafen, träumen. *Salzburger Nachrichten*, p.4/Uni-Nachrichten (Author: G. Pfeifer).

Schabus, M. (2007, August 17). Gehirn bleibt auch im Leichtschlaf aktiv. *APA*.

Schabus, M. (2007, July 31). Gehirn ist beim Schlafen noch aktiver als gedacht. *Science ORF.AT*.

Schabus, M. (2007, March). Wie gut ist unser Gedächtnis? Die Antworten finden sich im Schlaf! Brainpower durch Gehirnwellentraining. *Wellness Magazin 03/2007*.

## 2006

Schabus, M. (2006, October 27). Hirnstromaktivität trainieren. *Salzburger Nachrichten*, p.5/Wissenschaft.

Schabus, M. (2006, October). Schlaf und Gedächtnis, Salzburg, Austria: *KroneHIT (Radio)*.

Schabus, M. (2006, August 23). Schlafen unter Strom. *Der Standard (Printausgabe)*.

Schabus, M. (2006, August 23). Hirnaktivität im Schlaf beeinflusst Gedächtnisleistungen. *Der Standard (Online)*.

Schabus, M. (2006, August 22). Gedächtnisleistung und Schlaf, Salzburg, Austria: *Antenne Salzburg (Radio)*.

Schabus, M. (2006, August 17). Press release on "Sleep and General Memory Abilities" in various newspapers (*ORF Science, Der Standard, Die Presse, etc.*).

Schabus, M. (2006, August 16). Hirnaktivität im Schlaf zeigt Lernerfolg an. *Science ORF.AT*.

Zeitlhofer et al. (2006, April 26). Nickerchen machen Hirne fit. *Der Standard (Printausgabe)*.

## 2003

- Zeitlhofer et al. (2003, October 24). Lernen im Schlaf. In *“Modern Times”*, Austria: *ORF (TV)*.
- Schabus, M. (2003, October 10). Erleuchtung im Schlaf: Es funktioniert! *Salzburger Krone*, p. 18-19/Österreich.
- Klimesch, W., & Schabus, M. (2003, November 13). Schlafspindeln und Gedächtnis, Salzburg, Austria: *Ö2 (Radio)*.
- Schabus, M. (2003, September 8). Replay im Schlaf. *Der Standard (Online)*.
- Schabus, M. (2003, September 2). Lernen im Schlaf, Salzburg, Austria: *Antenne Salzburg (Radio)*.
- Schabus, M. (2003, September 2). Schlaflabor Universität Salzburg. In *“Salzburg Heute”*. Salzburg, Austria: *ORF (TV)*.
- Schabus, M. (Guest), Geiblinger, E. (Moderator). (2003, August 27). Lernen im Schlaf. In „Von Tag zu Tag“. Salzburg, Austria: *ORF Radio Österreich 1 (Radio)*.
- Schabus, M. (2003, August 16). Morgenmensch und Nachteule. *Salzburger Nachrichten*, p.5/Wissenschaft.

Public relations for schools and children:

- Hoedlmoser, K. & Schabus, M. (2010, April 16). Schlafstörungen bei Kindern. In *“Frühlingszeit”*, Austria: *ORF (TV)*.
- Hödlmoser, K. & Schabus, M. (2009, November 30). Jugend Uni-Tag „zur Tätigkeit von SchlafforscherInnen“.
- Hödlmoser, K. & Schabus, M. (2008). Talentekurs „Schlaflabor“ des Uni-Kinderbüros.
- Hödlmoser, K. & Schabus, M. (2005, 2008). „Schlaf und Gedächtnis“ für diverse Schulen.

→ Media from TV and Radio can be found at: <http://www.sleepscience.at>

**Memberships**

- Association for the Scientific Study of Consciousness (ASSC)
- European Sleep Research Society (ESRS)
- Österreichische Gesellschaft für Schlafmedizin & Schlafforschung (ÖGSM) / Austrian Sleep Research Association (ASRA).
- Österreichische Gesellschaft für wissenschaftliche, klientenzentrierte Psychotherapie und personorientierte Gesprächsführung (ÖGWG) / Austrian Client-Centred Psychotherapy
- ÖGWG-Delegierter für Zusammenarbeit mit dem Österreichischen Bundesinstitut für Gesundheitswesen (ÖBIG)
- Österreichische Gesellschaft für Psychologie (ÖGP) / Austrian Society for Psychology