

PUBLICATIONS

Note: Impact factors correspond to 'ISI Web of Knowledge 5-year impact factor'

- Hoedlmoser, K., Petzka, M., Birklbauer, J., Benjamins, J., Gruber, G., & Van Someren, E. (in preparation). Sleep to boost adaptation of an over-practiced fine-motor skill. *SLEEP*.
- Hoedlmoser, K., King, B.R., Hirschauer, F., Dolfen, N., & Albouy, G. (in preparation). Sleeping on the Motor Engram. *Neuroscience and Behavioral Reviews*.
- Gallicchio, G., Finkenzeller, T., Sattlecker, G., Lindinger, S., & Hoedlmoser, K. (in preparation). Shooting under cardiovascular load: Electrocardiographic activity in preparation for biathlon shooting. *International Journal of Sports Physiology and Performance*.
- Gallicchio, G., Finkenzeller, T., Sattlecker, G., Lindinger, S., & Hoedlmoser, K. (accepted). Shooting under cardiovascular load: Electroencephalographic activity in preparation for biathlon shooting. *International Journal of Psychophysiology*.
Impact factor: 2.923
- Blume, C., del Giudice, R., Lechinger, J., Wislowska, M., Heib, D. P. J., Hoedlmoser, K., & Schabus, M. (in press). Preferential processing of emotionally and self-relevant stimuli persists in unconscious N2 sleep. *Brain & Language*.
Impact factor: 3.637
- 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.
Impact factor: 5.259
- Hoedlmoser, K. (2015). Gedächtnisbildung, Lernen und Schlaf im Kindes- und Jugendalter. E. Paditz & W. Sauseng (Eds.). *Kinderschlafmedizin – Grundlagen und Innovationen - Aktuelle Kinderschlafmedizin 2015* (pp. 10-15). Dresden: kleanthes.
- 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.
Impact factor: 3.732
- 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: 2.957
- 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), 1501-12.
Impact factor: 5.051
- 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.), *Kompendium Schlafmedizin* (Vol. 21, Kapitel II-4.1). Landsberg: ecomed Medizin.
- 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.), *Kompendium Schlafmedizin* (Vol. 23, Kapitel II-9.4). Landsberg: ecomed Medizin.
- Schabus, M., Heib, D.P.J., Lechinger, J., Griessenberger, H., Klimesch, W., Pawlizki, A., Kunz, A.B., Sterman, 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
- 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
- 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
- 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
- Hoedlmoser, K. (2013). Neurofeedback bei primärer Insomnie. In U. Strehl (Ed.), *Neurofeedback ein Arbeitsbuch* (pp. 186-203). Stuttgart: Kohlhammer.
- Wislowska, 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). New York, USA: Nova Publishers.
- 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.
- Hoedlmoser, K., Birklbauer, J., Rigler, S., Eibenberger, P, Haudum, A., Hoenegger, C., Mueller, E., Klimesch, W., & Schabus, M. (2011). The impact of sleep on gross-motor learning. *Front. Hum. Neurosci. Conference Abstract: XI International Conference on Cognitive Neuroscience (ICON XI)*. doi: 10.3389/conf.fnhum.2011.207.00090

- Rigler, S. (2011). *Die Bedeutung von Schlaf für das Erlernen einer großmotorischen Aufgabe und der Zusammenhang verschiedener Schlafparameter mit der allgemeinen und motorischen Lernfähigkeit*. Unpublished Master thesis (supervised by Hoedlmoser, K.), University of Salzburg, Austria.
- Hoedlmoser, K., Griessenberger, H., Fellingner, 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, 377-385. doi: 10.1111/j.1365-2869.2010.00892.x
Impact factor: 3.653
- 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.
- 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.
- Roell, J. (2010). *Der Einfluss von Neurofeedbacktraining auf den Schlaf gesunder Kinder und der Zusammenhang zwischen Intelligenz und Schlaf*. Unpublished Master thesis (supervised by Hoedlmoser, K.), University of Salzburg, Austria.
- Hoedlmoser, K., Kloesch, G., Wiater, A., & Schabus, M. (2010). Self-reported sleep patterns, sleep problems and behavioural problems among Austrian school children aged 8-11 years. *Somnologie*, 14(1), 23–31.
- Doppelmayr, M., Weber, E., Hoedlmoser, K., & Klimesch, W. (2009). Effects of SMR Feedback on the EEG Amplitude. *Kognitive Neurophysiologie des Menschen*, 2(1), 21-32.
- Hoedlmoser, K., Pecherstorfer, T., Gruber, G., 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: 5.949
- Schabus, M., Hödlmoser, K., Pecherstorfer, T., Anderer, P., Gruber, G., Parapatics, S., . . . Zeitlhofer, J. (2008). Interindividual sleep spindle differences and their relation to learning-related enhancements. *Brain Research*, 1191, 127-135. doi:10.1016/j.brainres.2007.10.106
Impact factor: 2.375
- Hoedlmoser, K. (2007). *The significance of sleep-related theta synchronization for general memory abilities and the impact of neurofeedback on sleep*. Unpublished doctoral dissertation, University of Salzburg, Austria.
- Schabus, M., Hödlmoser, K., Gruber, G., Sauter, C., Anderer, P., Klösch, G., . . . 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, 1738-1746.
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.

Doppelmayr, M., Klimesch, W., Hödlmoser, K., Sauseng, P., & Gruber, W. (2005). Intelligence related upper alpha desynchronization in a semantic memory task. *Brain Research Bulletin*, 66(2), 171-177. doi:10.1016/j.brainresbull.2005.04.007
Impact factor: 2.184

Doppelmayr, M., Klimesch, W., Sauseng, P., Hödlmoser, K., Stadler, W., & Hanslmayr, S. (2005). Intelligence related differences in EEG-bandpower. *Neuroscience Letters*, 381, 309-313. doi:10.1016/j.neulet.2005.02.037
Impact factor: 1.925

Hoedlmoser, K. (2004). *EEG Alpha und Theta Power im Zusammenhang mit Intelligenz*. Unpublished Master thesis, University of Salzburg, Austria.

Doppelmayr, M., Klimesch, W., Sauseng, P., Hödlmoser, K., & Rachbauer, D. (2003). EEG Bandpowerchanges during the performance of an intelligence task. *Brain Topography*, 15(4), 263.
Impact factor: 2.080

ORAL PRESENTATIONS, POSTERS, WORKSHOPS

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

Hoedlmoser, K. Sleep-dependent motor memory consolidation from adolescence to adulthood. Poster presentation at the FENS 2016, 2.-6. July 2016, Copenhagen, Denmark.

Hoedlmoser, K. Sleep-dependent motor memory consolidation from adolescence to adulthood. Invited talk at the International Conference on Sleep Spindling, 12.-15. May, 2016, Budapest, Hungary.

Hoedlmoser, K. Sleep spindles in children: sleep-related learning state or trait? Invited talk at the WorldSleep 2015, 31. October - 03. November, 2015, Istanbul, Turkey.

Hoedlmoser, K. The impact of sleep on 3-ball cascade juggling. Invited talk at the WorldSleep 2015, 31. October - 03. November, 2015, Istanbul, Turkey.

Hoedlmoser, K. Sleep and cognitive functioning in healthy children. Teaching Course at the WorldSleep 2015, 31. October - 03. November, 2015, Istanbul, Turkey.

Hoedlmoser, K. Sleep-dependent motor memory consolidation from adolescence to adulthood. Invited talk at the 14th European Congress of Sport Psychology 2015, 14. - 19. July, 2015, Bern, Switzerland.

Hoedlmoser, K., Braun, M., Quotschalla, N., Schoisswohl, S., Fuchs, P., & Richlan, F. Transcranial electric stimulation during sleep enhances motor sequence learning. Poster presentation at the 21st Annual Meeting of the Organization for Human Brain Mapping 2015, 05. - 08. June, 2015, Honolulu, Hawaii.

- Hoedlmoser, K. Transcranial electric stimulation during sleep enhances motor sequence learning. Invited talk at the Brain Stimulation and Imaging Meeting 2015, 05. - 08. June, 2015, Honolulu, Hawaii.
- Hoedlmoser, K. Preparatory EEG spectral power and coherence in biathlon rifle shooting - A pilot study. Invited talk at the 3rd International Congress on Science and Nordic Skiing — from science to practice, 05.- 08. June, 2015, Vuokatti, Finland.
- Hoedlmoser, K. Sleep and Sport. Invited talk at the 23rd conference of the ÖGSM / ASRA, 25. April, 2015, Linz, Austria.
- Hoedlmoser, K. Gedächtnisbildung, Lernen und Schlaf im Kindes- und Jugendalter. Invited symposium at the conference “Grundlagen und Innovationen - Gemeinsame Frühjahrstagung der DGSM & ÖGJK ”, 13. - 15. March, 2015, Dresden, Germany.
- Hoedlmoser, K. The impact of sleep on gross motor learning / adaptation. Invited workshop at the conference “The athlete’s brain: Neuronale Aspekte motorischer Kontrolle im Sport”, 05. - 07. March, 2015, Munich, Germany.
- Gallicchio, G., Sattler, G., Finkenzeller, T. & Hoedlmoser, K. Preparatory EEG spectral power and coherence in biathlon rifle shooting: A pilot study. Poster presentation at the conference “The athlete’s brain: Neuronale Aspekte motorischer Kontrolle im Sport”, 05. - 07. March, 2015, Munich, Germany.
- Hoedlmoser, K. Sleep-dependent motor memory consolidation from adolescence to adulthood. Invited talk at the Wintersymposium „Sleep, Cognition and Consciousness“, 22. - 25. January, 2015, Kaprun, Austria.
- Hoedlmoser, K. The Impact of sleep on three-ball cascade juggling. **Young Investigator Award.** Invited talk at the 22nd Congress of the European Sleep Research Society, 16.- 20. September, 2014, Tallin, Estland.
- Hoedlmoser, K. Sleep-dependent motor memory consolidation from adolescence to adulthood. Invited talk at the 22nd Congress of the European Sleep Research Society, 16.- 20. September, 2014, Tallin, Estland.
- Hoedlmoser, K., Heib, D.P.J., Bothe, K., Tibi, S., Koerner, D. & Schabus, M. Slow oscillations during NREM sleep in adolescents are related to intellectual abilities. Poster presentation at the 22nd Congress of the European Sleep Research Society, 16.-20. September, 2014, Tallin, Estland.
- Petzka, M., Birklbauer, J., Benjamins, J., Gruber, G., Van Someren, E. & Hoedlmoser, K. Sleep to boost adaptation of an over-practiced fine-motor skill. Poster presentation at the 22nd Congress of the European Sleep Research Society, 16.- 20. September, 2014, Tallin, Estland.
- Hoedlmoser, K., Tarokh, L. & Wilhelm, I. Schlafen und Lernen. Invited talk at the “Fachtagung Bildungslandschaften Schweiz – Jacobs Foundation” 12. September, 2014, Zürich, Switzerland.

- Hoedlmoser, K. The Impact of sleep on three-ball cascade juggling. Poster presentation at the 12th International Conference on Cognitive Neuroscience, 27.- 31. July, 2014, Brisbane, Australia.
- Hoedlmoser, K., Petzka, M., Birklbauer, J., Gruber, G., Benjamins, J. & van Someren, E. (2014). Sleep to boost learning a fine-motor skill. Invited talk at the 19th Annual Congress of the European College of Sport Science, 2.- 5. July, 2014, Amsterdam, The Netherlands.
- Birklbauer, J., Eibenberger, P., Schabus, M., Mueller, E. & Hoedlmoser, K. (2014). Sleep benefits adaptation of a gross motor skill. Invited talk at the 19th Annual Congress of the European College of Sport Science, 2.- 5. July, 2014, Amsterdam, The Netherlands.
- Hoedlmoser, K. Guter Schlaf – Gute Noten? Schlafspindeln, Schulleistungen und allgemeine kognitive Leistungsfähigkeit. Invited talk at the “Frühjahrstagung der Arbeitsgruppe Pädiatrie der Deutschen Gesellschaft für Schlafforschung und Schlafmedizin“, 21.-22. March 2014, Landshut, Germany.
- Hoedlmoser, K. Neurofeedbacktraining als non-pharmakologische Behandlungsmethode bei primärer Insomnie. Invited talk at the “Jahrestagung der Deutschen Gesellschaft für Biofeedback“, 18.-19. October 2013, Rostock, Germany.
- Hoedlmoser, K., Petzka, M., Birklbauer, J., Gruber, G., Benjamins, J. & Van Someren, E. Sleep to boost (re-)learning a fine-motor skill. Poster presentation at the 5th Congress of the World Association of Sleep Medicine, 28. September - 2. October 2013, Valencia, Spain.
- Hoedlmoser, K. Instrumental conditioning of 12-15Hz oscillations and its effect on healthy and disordered sleep. Invited talk at the Symposium in the Honour of Prof. Wolfgang Klimesch “Brain Oscillations and Cognition“, 19.- 20. September, 2013, Salzburg, Austria.
- Hoedlmoser, K., Bothe, K., Moeckel, T., Peigneux, P., & Schabus, M. (2013). Impact of sleep on real-life declarative learning. Poster presented at the 5th Dubrovnik Conference on Cognitive Science (DuCog), 16.-19. May, 2013, Dubrovnik, Croatia.
- Hoedlmoser, K. & Schabus, M. Der Einfluss von 12-15Hz Neurofeedback Training auf gesunden und gestörten Schlaf. Invited talk at the 21th Annual Meeting of the Austrian Sleep Research Association, 19.-20. April, 2013, Vienna, Austria.
- Hoedlmoser, K., Bothe, K., Moeckel, T., Peigneux, P., Klimesch, W., & Schabus, M. Sleep and real-life declarative learning. Invited talk at the 55th “Tagung experimentell arbeitender Psychologen“, 24.-27. March, 2013, Vienna, Austria.
- Hoedlmoser, K., Gunkelman, J., & Arns, M. Understanding and applying the neurofeedback technique. Advanced workshop: QEEG, Sleep and Personalized Medicine, 6.- 9. February 2013, Nijmegen, The Netherlands.
- Hoedlmoser, K., Birklbauer, J., Rigler, S., Mueller, E., & Schabus, M. The impact of sleep on gross motor learning. Invited talk at the 10th Anniversary of the Laboratory for "Sleep, Cognition and Consciousness Research", 13.-14. December, 2012, Salzburg, Austria.
- Hoedlmoser, K., Wilhelm, I., Prehn-Kristensen, A., Sadeh, A., Tarokh, L. Sleep and learning in children. Invited symposium at the International Paediatric Sleep Association Congress, 5.- 7. December, 2012, Manchester, United Kingdom.

Hoedlmoser, K. Fit4School - Sleep and cognition in children. Invited talk at the University of Zurich, 23. November 2012, Zurich, Switzerland.

Hoedlmoser, K., Klösch, G., Wiater, A., & Schabus, M. 'Schlafgewohnheiten von Salzburger Schulkindern im Alter von 8-11 Jahren'. Invited talk at the 50. Jahrestagung der Österreichischen Gesellschaft für Kinder- und Jugendheilkunde, 27.-29. September 2012, Salzburg, Austria.

Hoedlmoser, K., Roell J., Peigneux, P., Sadeh, A., & Schabus, W. The impact of sleep spindles on cognitive performance and emotional abilities in school aged children. Invited talk at the 21st Congress of the European Sleep Research Society, 4.- 8. September, 2012, Paris, France.

Hoedlmoser, K., Birklbauer, J., Mueller, E., Eibenberger, P., & Schabus, M. Sleep and real-life gross-motor learning. Poster presentation at the 21st Congress of the European Sleep Research Society, 4.- 8. September, 2012, Paris, France.

Hoedlmoser, K., Birklbauer, J., Rigler, S., Mueller, E., & Schabus, M. Sleep and gross motor learning. Invited talk at the 30th International Congress of Psychology, 22.- 27. July, 2012, Cape Town, South Africa.

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

Hoedlmoser, K., Birklbauer, J., Rigler, S., Mueller, E., & Schabus, M. Schlaf und großmotorisches Lernen. Invited talk at the Annual Meeting of the Austrian Sleep Research Association, 27.-29. April 2012, Baden, Austria.

Hoedlmoser, K., Roell J., Peigneux, P., Sadeh, A., Klimesch, W., & Schabus, W. Sleep and cognition in children. Invited talk within the Young Scholar Symposium at the Jacobs Foundation Conference 2012 "Sleep, Learning, and Brain Development", 18.-20. April, 2012, Marbach, Germany.

Hoedlmoser, K., Roell J., Peigneux, P., Sadeh, A., Klimesch, W., & Schabus, W. Sleep spindles and its relation to declarative memory performance as well as (emotional) intelligence. Gemeinsame Frühjahrstagung der Arbeitsgruppe für Schlafmedizin und Schlafforschung der Österreichischen Gesellschaft für Kinder- und Jugendheilkunde und der Arbeitsgruppe Pädiatrie der Deutschen Gesellschaft für Schlafforschung und Schlafmedizin, 16. – 18. March, 2012, Graz, Austria.

Hoedlmoser, K. Fit4School - Sleep and cognition in children. Invited talk at the University of Salzburg, 25. January 2012, Salzburg, Austria.

Hoedlmoser, K. Sleep spindles and its relation to declarative memory performance as well as (emotional) intelligence. Invited talk within the Young Scientist Symposium at the 6th Annual Conference on Pediatric Sleep Medicine, **Young Investigator Award**, 27.-30. October, 2011, Amelia Island, Florida, USA.

- Hoedlmoser, K., Birklbauer, J., Rigler, S., Eibenberger, P., Haudum, A., Hoenegger, C., Mueller, E., Klimesch, W., & Schabus, M. The impact of sleep on gross-motor learning. Poster presented at the 11th International Conference on Cognitive Neuroscience, 25.-29. September, 2011, Mallorca, Spain.
- Griessenberger, H., Hoedlmoser, K., Sampathkumar, A., Lechinger, J., Klimesch, W., & Schabus, M. Consolidation of temporal order in episodic memories. Poster presented at the 11th International Conference on Cognitive Neuroscience, 25.-29. September, 2011, Mallorca, Spain.
- Hoedlmoser, K., Roell, J., Peigneux, P., Klimesch, W., Schabus, M. Sleep spindles and (emotional) intelligence in school aged children. Poster presented at the 17th Annual Meeting of the Organization for Human Brain Mapping, 26.-30. June, 2011, Quebec, Canada.
- Hoedlmoser, K. Instrumental conditioning of SMR activity in normal subjects: Effects on sleep and cognitive performance. Invited talk at the 10th Annual Meeting of the Society for the Advancement of Brain Analysis (SABA), 19.-23. May, 2011, Long Beach CA, USA.
- Hoedlmoser, K., Roell, J., & Schabus, M. Sleep and cognition in school aged children. Invited talk at the Annual Meeting of the Austrian Sleep Research Association, 13.-15. April 2011, Seggau, Austria.
- Hoedlmoser, K., Griessenberger, H., Fellingner, R., Freunberger, R., Gruber, W., Klimesch, W. & Schabus, M. Event-related activity and phase locking during a psychomotor vigilance task. Poster presentation at the 20th Congress of the European Sleep Research Society, 14.-18. September, 2010, Lisbon, Portugal.
- Hoedlmoser, K., Heib, D., Pawlizki, A., Gruber, G., Klimesch, W., & Schabus, S. Instrumental conditioning of brain oscillations – a non-pharmacological alternative for the treatment of insomnia? Poster presentation at the 20th Congress of the European Sleep Research Society, 14.-18. September, 2010, Lisbon, Portugal.
- Hoedlmoser, K. & Schabus, M. Train your brain! Understanding and applying the neurofeedback technique. Tutorial presented at the 14th Annual Meeting of the Association for the Scientific Study of Consciousness (ASSC), 24.-27. June 2010, Toronto, Canada.
- Hoedlmoser, K., Griessenberger, H., Fellingner, R., Freunberger, R., Gruber, W., Klimesch, W. & Schabus, M. Event-related activity and phase locking during a psychomotor vigilance task. Final symposium of the ESRS – EU Marie Curie- Project ‘Training in Sleep Research and Sleep Medicine’ (2007-2010), 2.-6. July 2010, Kloster Seeon, Germany.
- Hoedlmoser, K., Klösch, G., Wiater, A., & Schabus, M. ‘Schlafgewohnheiten von Salzburger Schulkindern im Alter von 8-11 Jahren’. Invited talk at the Annual Meeting of the Austrian Sleep Research Association), 24.-26. April 2009, Steyr, Austria.
- Hoedlmoser, K. & Schabus M. ‘Forschung und Perspektiven zum Thema Bio-/Neurofeedback und Schlaf’. Invited talk within the ‘Neurofeedback Symposium’, Universitätsspital Zürich, 28. August, 2009, Zürich, Switzerland.
- Hoedlmoser, K. Operant Conditioning of SMR activity in Normal Subjects: Effects on Sleep and Declarative Learning. Invited talk at the 8th Annual Meeting of the Society for the Advancement of Brain Analysis (SABA), 1.-5. May, 2009, Marine Land, St. Augustine, Florida, USA.

- Hoedlmoser, K. A non-pharmacological alternative for the treatment of insomnia: Instrumental Conditioning of Brain Oscillations. Invited talk within the Symposium O17: Treatment Strategies for Insomnia, at the 23rd Annual Meeting of the Associated Professional Sleep Societies, LLC (APSS), 6.-11. June, 2009, Seattle, Washington, USA.
- Hoedlmoser, K. & Schabus, M. (2009). 'Neurofeedback: Grundlagen und Anwendungen'. Invited workshop at the conference 'Neurobiologie der Psychotherapie', Paracelsus Medizinische Privatuniversität Salzburg, 3.-5. July, 2009, Salzburg, Austria.
- Hoedlmoser, K., Pecherstorfer, T., Anderer, P., Gruber, G., Doppelmayr, M., Klimesch, W., & Schabus, M. Instrumental conditioning of human sensorimotor rhythm (12-15Hz) and its impact on sleep as well as declarative learning performance. Poster presentation at the 19th Congress of the European Sleep Research Society, 9.-13. September, 2008, Glasgow, Scotland, UK.
- Hoedlmoser, K., Schabus, M., Griessenberger, H., & Klimesch, W. Event-related P1 component during a psychomotor vigilance task indicates sleep pressure. Poster presentation at the 19th Congress of the European Sleep Research Society, 9.-13. September, 2008, Glasgow, Scotland, UK.
- Hoedlmoser, K. 'Einführung in die Schlafphysiologie'. Invited talk within the 'Interdisziplinäres Symposium Schlafmedizin', 7.-8. November, 2008, Hamburg, Germany.
- Hoedlmoser, K. 'Instrumentelle Konditionierung Sensomotorischer Oszillationen (12-15Hz) im Zusammenhang mit Schlafqualität und Gedächtnisleistung'. Invited talk within the *Young Scientist Symposium*, 16th Annual Meeting of the 'Deutsche Gesellschaft für Schlafforschung und Schlafmedizin', 16.-18. October, 2008, Kassel, Germany.
- Hoedlmoser, K. Instrumental conditioning of human sensorimotor rhythm (12-15Hz) and its impact on sleep as well as declarative memory performance. Invited talk within the Symposium 'Effects of EEG Neurofeedback on Sleep and Sleep Disorders', 12th Annual Meeting of the Biofeedback Foundation of Europe, 19.-23. February 2008, Salzburg, Austria.
- Hoedlmoser, K. 'Instrumentelle Konditionierung Sensomotorischer Oszillationen (12-15Hz) im Zusammenhang mit Schlafqualität und Gedächtnisleistung'. Invited talk at the Annual Meeting of the Austrian Sleep Research Association, 4.-6. April 2008, Salzburg, Austria.
- Hoedlmoser, K. Instrumental conditioning of human sensorimotor rhythm (12-15Hz) and its impact on sleep as well as declarative memory performance. Invited talk within the Symposium 'Sleep and memory consolidation', 8th Annual Meeting of the 'Österreichische Gesellschaft für Psychologie', 24.- 26. April 2008, Linz, Austria.
- Hoedlmoser, K., Schabus M., Pecherstorfer, T., Moser, S., & Doppelmayr, M. Effects of SMR-Neurofeedback-Training on Memory Performance and Sleep. Poster presentation at the Annual Meeting of the Biofeedback Foundation of Europe, 27. February - 3. March 2007, Berlin, Germany.
- Hoedlmoser, K. Instrumental conditioning of human sensorimotor rhythm (12-15Hz) and its impact on sleep as well as declarative memory performance. Oral and Poster presentation at the 5th World Congress of the World Federation of Sleep Research and Sleep Medicine Societies, **Trainee Merit Award: 1500 AUSS, Best Trainee Presentation**, 2.-6. September 2007, Cairns, Australia.

- Hoedlmoser, K., Stadler, W., Schabus, M., Sauter, C., Kloesch, G., Gruber, G., . . . & Zeitlhofer, J. Effects of sleep on episodic compared to semantic memory? European Course in Basic and Clinical Sleep Research, 2.-4. March 2006, Bertinoro, Italy.
- Hoedlmoser, K., Stadler, W., Schabus, M., Anderer, P., Sauter, C., Kloesch, G., . . . Zeitlhofer, J. (2006). EEG theta power during sleep and memory performance. Poster presentation at the 18th Congress of the European Sleep Research Society, 12.-16. September, 2006, Innsbruck, Austria.
- Sauter, C., Moser, D.C., Anderer, P., Kloesch, G., Hoedlmoser, K., Stadler W., Schabus, M., & Zeitlhofer, J. (2006). The Effect of Napping on Implicit and Explicit Memory Consolidation. Poster presentation at the 18th Congress of the European Sleep Research Society, 12.-16. September, 2006, Innsbruck, Austria.
- Stadler, W., Schabus, M., Hoedlmoser, K., Sauter, C., Anderer, P., Gruber, G., Klimesch, W., & Zeitlhofer, J. Brain activity related to memory retrieval changes after overnight sleep: A study of EEG theta frequency. Poster presentation at the 18th Congress of the European Sleep Research Society, 12.-16. September, 2006, Innsbruck, Austria.
- 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. Oral presentation at the 1st Congress of the World Association of Sleep Medicine, 15.-18. October 2005, Berlin, Germany.
- Hödlmoser, K., Schabus, M., Pecherstorfer, T., & Klösch, G. (2005). Influences of midday naps on declarative memory performance and motivation. Poster presentation at the European Course in Basic and Clinical Sleep Research, 3.-5. March 2005, Zürich, Switzerland.
- Hödlmoser, K., Schabus, M., Pecherstorfer, T., & Klösch, G. (2005). Declarative memory performance after a one hour midday nap. Poster presentation at the the 1st Congress of the World Association of Sleep Medicine, 15.-18. October 2005, Berlin, Germany.
- Schabus, M., Hödlmoser, K., Gruber, G., Anderer, P., Parapatics, S., Sauter, C., . . . Zeitlhofer, J. (2005). Sleep spindle activity in the human EEG and their interaction with ‘general learning abilities’. Oral presentation at the 1st Congress of the World Association of Sleep Medicine, 15.-18. October 2005, Berlin, Germany.
- Schabus, M., Sauter, C., Hödlmoser, K., Gruber, G., Anderer, P., Parapatics, S., . . . Zeitlhofer, J. (2005). ‘Schlafspindeln als Indikator für Gedächtnis und kognitive Leistungsfähigkeit?’ Oral presentation at the 13th Annual Meeting of the ‘Deutsche Gesellschaft für Schlafforschung und Schlafmedizin’, 13.-15. October 2005, Berlin, Germany.
- Stadler, W., Schabus, M., Hödlmoser, K., Gruber, G., Parapatics, S., Sauter, C., . . . Zeitlhofer, J. (2005). On the necessity of studying differential effects of sleep on episodic vs. semantic memory. Poster presentation at the 1st Congress of the World Association of Sleep Medicine, 15.-18. October 2005, Berlin, Germany.
- Sauter, C., Klösch, G., Schabus, M., Hödlmoser, K., Anderer, P., Klimesch, W., . . . Zeitlhofer, J. (2004). Does sleep improve results in an implicit memory test? *Somnology*, 8(Suppl. 1), 13.
- Sauter, C., Kloesch, G., Schabus, M., Hoedlmoser, K., Anderer, P., Gruber, P., . . . Zeitlhofer, J. (2004). Sleep improves performance in an implicit memory task. *Journal of Sleep Research*, 13(Suppl. 1).

- Schabus, M., Hödlmoser, K., Gruber, G., Parapatics, S., Klimesch, W., & Zeitlhofer, Z. (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), 5.-9. October, 2004, Prague, Czech Republic.
- Doppelmayr, M., Hödlmoser, K., Schabus, M., & Klimesch, W. (2003). ERD changes in different frequency bands during the performance of an intelligence task. Congress abstract. *Acta Neurobiologiae Experimentalis*, 63 (Supplement), 22.
- Doppelmayr, M., Klimesch, W., Hödlmoser, K., & Sauseng, P. (2003). Bandpower changes during the performance of an intelligence test. Congress Abstract. *Journal of Psychophysiology* 17 (Suppl.), 47.
- Doppelmayr, M., Klimesch, W., Sauseng, P., & Hödlmoser, K. (2002). Differences in bandpowerchanges according to the performance in an intelligence test. Congress abstract: *International Journal of Psychophysiology*, 45, 86.

PUBLIC RELATIONS

- Hoedlmoser, K. (2016, March 10). Powernapping. . *Radio Salzburg*, Salzburg, Austria (Radio).
- Hoedlmoser, K. (2016, January 28). Viel schlafen – aber ohne Katze. *Salzburger Nachrichten*, p. 22. (author: T. Hoedlmoser).
- Hoedlmoser, K. (2015, June 8). Nachtaktiv – unser Gehirn schläft nicht!. *Salzburger Nachrichten*, p. 8. (author: A. Wintersteller).
- Hoedlmoser, K. (2015, March 18). Kinder gereizt und irritiert. *Salzburger Fenster*, p. 7. (author: S Tschalyj).
- Hoedlmoser, K. (2015, February). Wie Schulkinder sich schlauschlafen. *Fritz+Fränzi*, pp. 24-25.
- Hoedlmoser, K. (2014). What Does Sleep Have to Do with Riding a Bike?. *Jacobs Foundation Annual Report 2014*, p. 19. (author: G. Fetz Fernandes).
- Hoedlmoser, K. (2013, August 26). Fit4School. *Radio Salzburg*, Salzburg, Austria (Radio).
- Hoedlmoser, K. & Birklbauer, J. (2013, January 6). Das Lernen macht der Mensch im Schlaf. *die Presse*, pp. 22-23. (author: V. Schmidt).
- Hoedlmoser, K. & Birklbauer, J. (2012, August 20). Im Schlaf lernen. *Profil*, pp. 84-88. (author: B. Neuroth).
- Hoedlmoser, K. (2012, March 13). Kindern lernen im Schlaf – aktuelle Fakten und Praxistipps. *Dresdner Universitätsjournal*, p. 8. (author: D. Möbius).

http://tu-dresden.de/die_tu_dresden/verwaltung/dezernat_5/sachgebiet_5_7/uj/bilder/pdf2012/UJ05-12.pdf

Hoedlmoser, K. & Schabus, M. (2011, December). Schlaf und Gedächtnis. *Servus-TV* (Television).

Hoedlmoser, K. (2011, September, 07). Ruhe in der Nacht und erinnere dich am Tag. *derStandard*, p.18. (author: S. Strnadl).

<http://derstandard.at/1315005670135/Schlaf-Ruhe-in-der-Nacht-und-erinnere-dich-am-Tag>

Hoedlmoser, K. & Schabus, M. (2010, April 16). Schlafstörungen bei Kindern. *ORF2* (Television).

<http://www.fit4school.or.at>

Hoedlmoser, K. (2010, July). Fit4School – Kleine Schläffibel. Booklet (34 pages) for schools.

<http://www.fit4school.or.at>

Hoedlmoser, K. (2010, February 19). Scientific study: Sleep makes children smarter. In various print and online media. http://www.fwf.ac.at/de/public_relations/press/pv201002-de.html

Schabus, M., Griessenberger H., & Hoedlmoser, K. (2009, December 23). Gegen die Schlaflosigkeit. *Salzburger Stadtblatt*, No.52.

<http://www.uni-salzburg.at/pls/portal/docs/1/1299191.PDF>

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

http://campusradio.sbg.ac.at/wp-content/uploads/2009/12/powernapping_t2.mp3

Hoedlmoser, K. (2009, March 30). 'Fit4School' – Schlaf und kognitive Leistungen bei Kindern.

Radio Salzburg, Salzburg, Austria (Radio).

<http://www.uni-salzburg.at/pls/portal/docs/1/917171.MP3>

Schabus, M. & Hoedlmoser, K. (2009, March 11). Viel besser schlafen lernen. *Salzburger Nachrichten – Gesünder Leben*, p. 20-21. (author: S. Veigl).

<http://www.uni-salzburg.at/pls/portal/docs/1/917163.PDF>

Hoedlmoser, K. (2008). Frau in der Wissenschaft - Wissenschaft als Luxus. *Info – Das Magazin des österreichischen Wissenschaftsfonds FWF*, 66, pp. 38-41. (author: M. Schwarz-Stiglbauer).

http://www.fwf.ac.at/de/public_relations/printprodukte/info/info66-08-03.pdf

Schabus, M. & Hoedlmoser, K. (2008, October 1). Press release on 'Learning to Shape your Brain Activity May be an Effective Treatment for Insomnia' in various online media. <http://www.aasmnet.org/Articles.aspx?id=1075>

Doppelmayr, M., Hoedlmoser, K., & Schabus, M. (2008, May 19). Neurofeedback: Besser schlafen durch Hirntraining. *Die PRESSE*, p. 22. (authors: Claudia Lagler & Claudia Richter).

http://diepresse.com/home/gesundheit/384579/index.do?_vl_backlink=/home/gesundheit/index.do

Hoedlmoser, K., & Schabus, M. (2008, May 15). Besser schlafen. *Salzburger Nachrichten*, p. 21.

<http://www.uni-salzburg.at/pls/portal/docs/1/558065.PDF>