

Publikationen, laufende Arbeiten und wissenschaftliche Veröffentlichungen

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Artikel und Beiträge in der Fachpresse (Peer Reviewed)

- Derner, M., Chaieb, L., Dehnen, G., **Reber, T.P.**, Borger, V., Surges, R., Staresina, B.P., Mormann, F., and Fell, J. (2021). Auditory Beat Stimulation Modulates Memory-Related Single-Neuron Activity in the Human Medial Temporal Lobe. *Brain Sciences* 11, 364.
- Hartmann, M., Martarelli, C.S., **Reber, T.P.**, and Rothen, N. (2020). Does a smartphone on the desk drain our brain? No evidence of cognitive costs due to smartphone presence in a short-term and prospective memory task. *Consciousness and Cognition* 86, 103033.
- Derner, M., Dehnen, G., Chaieb, L., **Reber, T.P.**, Borger, V., Surges, R., Staresina, B.P., Mormann, F., and Fell, J. (2020). Patterns of single-neuron activity during associative recognition memory in the human medial temporal lobe. *NeuroImage* 221, 117214.
- Staresina, B.P., **Reber, T.P.**, Niediek, J., Boström, J., Elger, C.E., and Mormann, F. (2019). Recollection in the human hippocampal-entorhinal cell circuitry. *Nature Communications* 10, 1503.
- Weibel, D., di Francesco, R., Kopf, R., Fahrni, S., Brunner, A., Kronenberg, P., Lobmaier, J.S., **Reber, T.P.**, Mast, F.W., and Wissmath, B. (2019). TV vs. YouTube: TV Advertisements Capture More Visual Attention, Create More Positive Emotions and Have a Stronger Impact on Implicit Long-Term Memory. *Front. Psychol.* 10.
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- **Reber, T.P.**, Samimizad, B., and Mormann, F. (2018). Cue discriminability predicts instrumental conditioning. *Consciousness and Cognition* 61, 49–60.
- **Reber, T.P.***, Faber, J.*, Niediek, J., Boström, J., Elger, C.E., and Mormann, F. (2017). Single-neuron correlates of conscious perception in the human medial temporal lobe. *Current Biology* 27, 2991-2998.e2.
- Leszczynski, M., Chaieb, L., **Reber, T.P.**, Derner, M., Axmacher, N., and Fell, J. (2017). Mind wandering simultaneously prolongs reactions and promotes creative incubation. *Scientific Reports* 7, 10197.
- **Reber, T.P.**, Do Lam, A.T.A., Axmacher, N., Elger, C.E., Helmstaedter, C., Henke, K., and Fell, J. (2016). Intracranial EEG correlates of implicit relational inference within the hippocampus. *Hippocampus* 26, 54–66.
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- Chaieb, L., Wilpert, E.C., **Reber, T.P.**, and Fell, J. (2015). Auditory beat stimulation and its effects on cognition and mood states. *Front. Psychiatry*, 70.
- **Reber, T.P.**, Luechinger, R., Boesiger, P., and Henke, K. (2014). Detecting analogies unconsciously. *Frontiers in Behavioral Neuroscience* 8, 9.
- Duss, S.B., **Reber, T.P.**, Hänggi, J., Schwab, S., Wiest, R., Müri, R.M., Brugger, P., Gutbrod, K., and Henke, K. (2014). Unconscious relational encoding depends on hippocampus. *Brain*, awu270.
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- **Reber, T.P.**, and Henke, K. (2011). Rapid formation and flexible expression of memories of subliminal word pairs. *Frontiers in Psychology* 2, 343.
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- Wissmath, B., Weibel, D., and **Reber, T.P.** (2010). The impact of communication modality on perceived credibility of panel members. *Electronic News* 4, 23–38.

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Buchkapitel

- **Reber, T.P.** (2017). Memory, consciousness & the hippocampus. In *Before Consciousness*, Z. Radman, ed. (Exeter: Imprint Academic), pp. 194–207. Available at: <http://www.imprint.co.uk/product/radman/contents-page-before-consciousness/>.
- Wissmath, B., Weibel, D., **Reber, T.P.**, and Groner, R. (2006). Das Integrative Dreisäulenmodell der Medienrezeption. Eine psychologische Umsetzung des Wirklichkeitstransfer-Ansatzes. In *Sophies Zweite Welt Berner Texte zur Medienwissenschaft.*, M. Steinmann and R. Groner, eds. (Bern, Switzerland: Haupt).

Konferenzbeiträge (nur als Erstautor)

- **Reber, T.P.** (2020). Sharpening and fatiguing determines human single neuron activity during conceptual repetition suppression observed in intracranial EEG (Freiburg, Germany).
- **Reber, T.P.**, Bausch, M., Mackay, S., Boström, J., Elger, C. E., & Mormann, F. (2018). *Representation of Semantic Knowledge in Populations of Human Single Neurons*. Poster presented at the Annual Meeting of the Society for Neuroscience, San Diego, USA.
- **Reber, T.P.**, Faber, J., Niediek, J., Boström, J., Coenen, V.A., Elger, C.E., and Mormann, F. (2016). Human single unit activity during attentional blink (San Diego, USA.).
- **Reber, T. P.**, Rącz, A., Niediek, J., Boström, J., Coenen, V. A., Elger, C. E., & Mormann, F. (2014). Single unit activity in the human medial temporal lobe during conscious and unconscious perception at comparable physical stimulus intensities. Poster presented at the Annual Meeting of the Society for Neuroscience presented at the Annual Meeting of the Society for Neuroscience, Washington, D.C, USA.
- **Reber, T. P.**, & Mormann, F. (2017). Human single unit correlates of awareness. Invited Talk presented at the Invited Talk, Department of Psychology, University of Amsterdam, the Netherlands.
- **Reber, T. P.**, Faber, J., Niediek, J., Boström, J., Coenen, V. A., Elger, C. E., & Mormann, F. (2016). Human single unit activity during attentional blink. Poster presented at the Annual Meeting of the Society for Neuroscience presented at the Annual Meeting of the Society for Neuroscience, San Diego, USA.
- **Reber, T. P.**, Boesiger, P., Luechinger, R., & Henke, K. (2012b). Unconscious relational inference recruits the hippocampus. Talk held at the Meeting of the Cognitive Neuroscience Society presented at the Meeting of the Cognitive Neuroscience Society, Chicago, IL, USA.
- **Reber, T. P.**, Boesiger, P., Luechinger, R., & Henke, K. (2012a). Unconscious detection of analogous relationships: an fMRI-study. Poster presented at the Annual Meeting of the Association for the Scientific Study of Consciousness presented at the Annual Meeting of the Association for the Scientific Study of Consciousness, Brighton, UK.
- **Reber, T. P.** (2010). Auto-associative networks as models of episodic memory. Talk held at the Sixth Meeting of the Clinical Neurosciences Bern presented at the Sixth meeting of the Clinical Neurosciences Bern, Bern, Switzerland.
- **Reber, T. P.**, Colella, P., Oppliger, D., Boesiger, P., Luechinger, R., & Henke, K. (2009). Generalizations over temporally distinct 'nonconscious episodes' engage the hippocampus during

- learning and retrieval. Poster presented at the Annual Meeting of the Society for Neuroscience presented at the Annual Meeting of the Society for Neuroscience, Chicago, IL, USA.
- **Reber, T. P., & Henke, K. (2008).** Nonconscious associative learning of conceptual associations for word pairs that were never presented. Poster presented at the Annual Meeting of the Society for Neuroscience presented at the Annual Meeting of the Society for Neuroscience, Bern, Switzerland.