

## «Bessere Schule durch Gehirnforschung?» Vera Schumacher, Nr. 1/2020, S. 28-29

### Literatur

- Blakemore, S. J. & Frith, U. (2005). *The Learning Brain: Lessons for Education*. Oxford: Blackwell.
- Bower, G. H., & Hilgard, E. R. (1983). *Theorien des Lernens*. Stuttgart: Klett-Cotta.
- Bruer, J. T. (1997). Education and the brain: A bridge too far. *Educational Researcher*, 26, 4–16.
- Draganski, B., Gaser, C., Busch, V., Schuierer, G., Bogdahn, U., & May, A. (2004). Neuroplasticity: changes in grey matter induced by training. *Nature*, 427, 311- 312.
- Hebb, D. O. (1949). *The organization of behavior: a neuropsychological theory*. New York: John Wiley & Sons.
- Illeris, K. (2018). An Overview of the History of Learning Theory. *European Journal of Education*, 53, 86-101.
- Käufer, D. (2011, Januar). Daniela Käufer: What can Neuroscience Research Teach Us about Teaching? [Video file]. Verfügbar unter <https://gsi.berkeley.edu/programs-services/hsl-project/hsl-speakers/käufer/#video>
- Maguire, E. A., Gadian, D. G., Johnsrude, I. S., Good, C. D., Ashburner, J., Frackowiak, R. S., et al. (2000). Navigation-related structural change in the hippocampi of taxi drivers. *Proceedings of the National Academy of Sciences*, 97, 4398-4403.
- Posner M. I. & Rothbart M. K. (2005). Influencing brain networks: implications for education. *Trends in Cognitive Sciences*, 9, 99-103.
- Rosenzweig, M. R., & Bennett, E. L. (1996). Psychobiology of plasticity: effects of training and experience on brain and behavior. *Behavioural Brain Research*, 78, 57-65.
- Sabitzer, B. (2010). *Neurodidaktik – Neue Impulse für den Informatikunterricht*. In G. Brandhofer, G. Futschek, P. Micheuz, A. Reiter, & K. Schoder (Hrsg.), 25 Jahre Schulinformatik in Österreich. Zukunft mit Herkunft (S. 305-320). Wien: Österreichische Computer Gesellschaft.
- Stern, E., Grabner, R. & Schumacher, R. (2015). Neuroscience and education. Added value of combining brain imaging and behavioral research. *Zeitschrift für Psychologie*, 223, 201–202.
- Van Kesteren, M. T., Rijpkema, M., Ruiters, D. J., Morris, R. G., & Fernández, G. (2014). Building on prior knowledge: Schema-dependent encoding processes relate to academic performance. *Journal of Cognitive Neuroscience*, 26, 2250-2261.
- Voss, J. L., Gonsalves, B. D., Federmeier, K. D., Tranel, D., & Cohen, N. J., (2011). Hippocampal brain-network coordination during volitional exploratory behavior enhances learning. *Nature Neuroscience*, 14, 115-152.