



LUNDS
UNIVERSITET

Kurslitteratur för ALS M21, *Language and the brain*, 7,5 hp

Approved by section 1 at the Centre for languages and literature, 30 May, 2018.

Obligatory literature

- Ingram, John (2007). *Neurolinguistics. An introduction to spoken language processing and its disorders*. Cambridge: Cambridge University Press. 420 s.
- Mårtensson, Frida, Roll, Mikael, Lindgren, Magnus, Apt, Pia, & Horne, Merle (2014). Sensory-specific anomia following left occipital lesions: Data from free oral descriptions of concrete word meanings. *Neurocase*, 20(2), 192-207. 16 s.
- Novén, Mikael, Schremm, Andrea, Nilsson, Markus, Horne, Merle, & Roll, Mikael (submitted). Cortical thickness of Broca's area and right homologue predict grammar learning aptitude and pitch discrimination proficiency. 20 s.
- Price, Cathy J. (2010). The anatomy of language: A review of 100 fMRI studies published in 2009. *Annals of the New York Academy of Sciences*, 1191, 62-88. 26 s.
- Roll, Mikael (2014). ERP—exploring the temporal microstructure of cognitive functions in the brain. In Horne, M., Lindgren, M., Nilsson, M., Roll, M., Shtyrov, Y., Ståhlberg, Freddy & Topgaard, Daniel (Eds.) *Microstructures of Learning: Novel methods and approaches for assessing structural and functional changes underlying knowledge acquisition in the brain*, Frontiers in Neuroscience (pages 25-28). 4 s. Tillgänglig via: <http://dx.doi.org/10.3389/978-2-88919-480-3>
- Roll, Mikael (2015). A neurolinguistic study of South Swedish word accents: Electrical brain potentials in nouns and verbs. *Nordic Journal of Linguistics*, 38(2), 149-162. 13 s.
- Roll, Mikael, Söderström, Pelle, Frid, Johan, Mannfolk, Peter & Horne, Merle (2017). Forehearing words: Pre-activation of word endings at word onset. *Neuroscience Letters*, 658, 57-61. 4 s.
- Schremm, Andrea, Novén, Mikael, Horne, Merle, Söderström, Pelle, van Westen, Danielle & Roll, Mikael (2018). Cortical thickness of planum temporale and pars opercularis in native language tone processing. *Brain and Language*, 176, 42-47. 5 s.
- Shtyrov, Yury, Butorina, Anna, Nikolaeva, Anastasia, Stroganova, Tatiana (2014). Automatic ultrarapid activation and inhibition of cortical motor systems in spoken word comprehension. *Proceedings of the National Academy of Sciences*, 111(18), E1918-E1923. 5 s.
- Söderström, Pelle, Horne, Merle, Mannfolk, Peter, van Westen, Danielle & Roll, Mikael (submitted). Rapid syntactic pre-activation in Broca's area: Concurrent electrophysiological and haemodynamic recordings. 16 s.
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Tang, Claire, Hamilton, Liberty S., Chang, Edward F. (2017). Intonational speech prosody encoding in the human cortex. *Science*, 357, 797-801. 4 s.
524 sidor

Reference literature

Luck, Steven. (2005). *An introduction to the event related potential technique*. Cambridge Mass.: MIT Press. (Introduction). 48 s.