

## List of publications

Prof. Kimmo Alho, Ph.D.

### A. Peer-reviewed scientific articles

#### A1. Refereed journal articles, Original research

1. Sams, M., Alho, K. & Näätänen, R. Sequential effects on the ERP in discriminating two stimuli. *Biological Psychology*, 1983, 17, 41–58.
2. Sams, M., Alho, K. & Näätänen, R. Short-term habituation and dishabituation of the mismatch negativity of the ERP. *Psychophysiology*, 1984, 21, 434–441.
3. Hari, R., Hämäläinen, M., Ilmoniemi, R., Kaukoranta, E., Reinikainen, K., Salminen, J., Alho, K., Näätänen, R. & Sams, M. Responses of the primary auditory cortex to pitch changes in a sequence of tone pips: Neuromagnetic recordings in man. *Neuroscience Letters*, 1984, 50, 127–132.
4. Sams, M., Paavilainen, P., Alho, K. & Näätänen, R. Auditory frequency discrimination and event-related potentials. *Electroencephalography and Clinical Neurophysiology*, 1985, 62, 437–448.
5. Alho, K., Sams, M., Paavilainen, P. & Näätänen, R. Small pitch separation and the selective-attention effect on the ERP. *Psychophysiology*, 1986, 23, 189–197.
6. Alho, K., Paavilainen, P., Reinikainen, K., Sams, M. & Näätänen, R. Separability of different negative components associated with auditory stimulus processing. *Psychophysiology*, 1986, 23, 613–624.
7. Alho, K., Donauer, N., Paavilainen, P., Reinikainen, K., Sams, M. & Näätänen, R. Stimulus selection during auditory spatial attention as expressed by event-related potentials. *Biological Psychology*, 1987, 24, 153–162.
8. Alho, K., Töttölä, K., Reinikainen, K., Sams, M. & Näätänen, R. Brain mechanism of selective listening reflected by event-related potentials. *Electroencephalography and Clinical Neurophysiology*, 1987, 68, 458–470.
9. Näätänen, R., Sams, M., Alho, K., Paavilainen, P., Reinikainen, K. & Sokolov, E.N. Frequency and location specificity of the human vertex N1 wave. *Electroencephalography and Clinical Neurophysiology*, 1988, 69, 523–531.
10. Näätänen R., Paavilainen, P., Alho, K., Reinikainen, K. & Sams, M. Do event-related potentials reveal the mechanism of the auditory sensory memory in the human brain. *Neuroscience Letters*, 1989, 98, 217–221.
11. Alho, K., Sams, M., Paavilainen, P., Reinikainen, K. & Näätänen, R. Event-related brain potentials reflecting processing of relevant and irrelevant stimuli during selective listening. *Psychophysiology*, 1989, 26, 514–528.
12. Alho, K., Lavikainen, J., Reinikainen, K., Sams, M. & Näätänen, R. Event-related brain potentials in selective listening to frequent and rare stimuli. *Psychophysiology*, 1990, 27, 73–86.
13. Alho, K., Sainio, K., Sajaniemi, N., Reinikainen, K. & Näätänen, R. Event-related brain potential of human newborns to pitch change of an acoustic stimulus. *Electroencephalography and Clinical Neurophysiology*, 1990, 77, 151–155.
14. Nyman, G., Alho, K., Laurinen, P., Paavilainen, P., Radil, T., Reinikainen, K. & Näätänen, R.

- Mismatch negativity (MMN) for sequences of auditory and visual stimuli: evidence for a mechanism specific to the auditory modality. *Electroencephalography and Clinical Neurophysiology*, 1990, 77, 436–444.
15. Winkler, I., Paavilainen, P., Alho, K., Reinikainen, K., Sams, M. & Näätänen, R. The effect of small variation of the frequent auditory stimuli on event-related brain potential to the infrequent stimulus. *Psychophysiology*, 1990, 27, 228–235.
  16. Paavilainen, P., Alho, K., Reinikainen, K., Sams, M. & Näätänen, R. Right-hemisphere dominance of different mismatch negativities. *Electroencephalography and Clinical Neurophysiology*, 1991, 78, 466–479.
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  21. Ritter, W., Paavilainen, P., Lavikainen, J., Reinikainen, K., Alho, K., Sams, M. & Näätänen, R. Event-related potentials to repetition and change of auditory stimuli. *Electroencephalography and Clinical Neurophysiology*, 1992, 83, 306–321.
  22. Kujala, T., Alho, K., Paavilainen, P., Summala, H. & Näätänen, R. Neural plasticity in processing of sound location by the early blind: An event-related potential study. *Electroencephalography and Clinical Neurophysiology*, 1992, 84, 469–472.
  23. Alho, K., Huotilainen, M., Tiitinen, H., Ilmoniemi, R.J., Knuutila, J. & Näätänen, R. Memory-related processing of complex sound patterns in human auditory cortex: a MEG study. *NeuroReport*, 1993, 4, 391–394.
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