

List of publications

Tokariev A, Roberts JA, Zalesky A, Zhao X, Vanhatalo S, Breakspear M and Cocchi L. Large-scale brain modes reorganize between infant sleep states and carry prognostic information for preterms. *Submitted*.

Tokariev A, Stjerna S, Lano A, Metsäranta M, Palva JM, Vanhatalo S (2018). Preterm birth changes networks of newborn cortical activity. *Cerebral Cortex*. <https://doi.org/10.1093/cercor/bhy012>.

Videman M, **Tokariev A**, Saikkonen H, Stjerna S, Heiskala H, Mantere O, Vanhatalo S (2017). Newborn Brain Function Is Affected by Fetal Exposure to Maternal Serotonin Reuptake Inhibitors. *Cereb Cortex*, 27(6): 3208-3216.

Videman M, **Tokariev A**, Stjerna S, Roivainen R, Gaily E, Vanhatalo S (2016). Effects of prenatal antiepileptic drug exposure on newborn brain activity. *Epilepsia*. 57(2): 252-62.

Tokariev A, Videman M, Palva JM, Vanhatalo S (2016). Functional Brain Connectivity Develops Rapidly Around Term Age and Changes Between Vigilance States in the Human Newborn. *Cereb Cortex*. 26(12): 4540-4550.

Tokariev A, Vanhatalo S, Palva JM (2016). Analysis of infant cortical synchrony is constrained by the number of recording electrodes and the recording montage. *Clin. Neurophysiology*. 127: 310-23.

Odabae M, **Tokariev A**, Layeghy S, Mesbah M, Colditz PB, Ramon C, Vanhatalo S (2014). Neonatal EEG at scalp is focal and implies high skull conductivity in realistic neonatal head models. *NeuroImage*. 96: 73–80.

Tokariev A, Palmu K, Lano A, Metsäranta M, Vanhatalo S (2012). Phase synchrony in the early preterm EEG: development of methods for estimating synchrony in both oscillations and events. *NeuroImage*. 60: 1562–573.

Book chapters

Stevenson NJ and **Tokariev A**. Automated EEG Analysis for Neonatal Intensive Care in 'Encyclopedia of Biomedical Engineering', ed. R. Narayan, Elsevier: Amsterdam 2019 pp. 240-257.