

Sergio Martinoia

Publications on International Journals

1. Spanu A., Lai S., Cosseddu P., Tedesco M., Martinoia S., Bonfiglio A., An organic transistor-based system for reference-less electrophysiological monitoring of excitable cells, **Scientific Reports**, (2015).
2. Pirino V., Riccomagno E., Martinoia S., and Massobrio P., A topological study of repetitive co-activation networks in in vitro cortical assemblies, **Physical Biology**, 12(1), (2015)
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4. Frega M., Tedesco M., Massobrio P., Pesce M., and Martinoia S., Network dynamics of 3D engineered neuronal cultures: a new experimental model for in-vitro electrophysiology, **Scientific Reports**, 4, 5489, doi:10.1038/srep05489 (2014).
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12. Maccione A, Garofalo M., Tedesco M., Berdondini L., Martinoia S., Multiscale functional connectivity estimation on low-density neuronal cultures recorded by high-density CMOS Micro Electrode Arrays, **J. of Neuroscience Methods**, 207, 2, 161–171 (2012).
13. Massobrio G., Massobrio P., Martinoia S., Investigations of extracellular signal shapes recorded by planar microelectrode covered by carbon nanotubes: modeling and simulations, **IEEE Trans. On Nanotechnology**, 10, 6, 1328-1336 (2011).

14. Kanagasabapathi T., Ciliberti D., Martinoia S., Wadman WJ., and Decré MJM., Dual-compartment neurofluidic system for electrophysiological measurements in physically segregated and functionally connected neuronal cell culture, **Frontiers in Neuroengineering**, doi: 10.3389/fneng.2011.00013 (2011)
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