

Literature List Stem Cell derived Neurons / Micro Electrode Array recordings [1-5]:

1. Illes, S., et al., Development and pharmacological modulation of embryonic stem cell-derived neuronal network activity. *Exp Neurol*, 2007.
2. Ban, J., et al., Embryonic stem cell-derived neurons form functional networks in vitro. *Stem Cells*, 2007. 25(3): p. 738-49.
3. Opitz, T., et al., Electrophysiological evaluation of engrafted stem cell-derived neurons. *Nat Protoc*, 2007. 2(7): p. 1603-13.
4. Pizzi, R., et al., Learning in human neural networks on microelectrode arrays. *Biosystems*, 2007. 88(1-2): p. 1-15.
5. Glaser T, Opitz T, Kischlat T, Konang R, Sasse P, Fleischmann BK, Engel W, Nayernia K, Brustle O (2008) Adult Germline Stem Cells as a Source of Functional Neurons and Glia. *Stem Cells*.