

Prof. Dr. Oliver Brüstle - Selected Publications

Opitz, T., Scheffler, B., Steinfarz, B., Schmandt, T., Brüstle, O. (2007) Electrophysiological evaluation of engrafted stem cell-derived neurons. Nat. Protoc. 2:1603-1613

Testa, G., Borghese, L., Steinbeck, J.A., Brüstle, O. (2007) Breakdown of the potentiality principle and its impact on global stem cell research. Cell Stem Cell 1:153-156

Haupt, S., Edenhofer, F., Peitz, M., Leinhaas, A., Brüstle, O. (2007) Stage specific conditional mutagenesis in embryonic stem cell-derived neural cells and post-mitotic neurons by direct delivery of biologically active Cre recombinase. Stem Cells 25:181-188

Gossrau, G., Thiele, J., Konang, R., Schmandt, T., Brüstle, O. (2007) BMP-mediated modulation of lineage diversification during neural differentiation of embryonic stem cells. Stem Cells 25:939-949

Glaser, T., Pollard, S.M., Smith, A., Brüstle, O. (2007) Tripotential differentiation of adherently expandable neural stem (NS) cells. PLoS ONE 2:e298

Glaser, T., Brose, C., Franceschini, I., Hamann, K., Smorodchenko, A., Zipp, F., Dubois-Dalcq, M., Brüstle, O. (2007) NCAM polysialylation enhances the sensitivity of ES cell-derived neural precursors to migration guidance cues. Stem Cells doi:10.1634/stemcells.2007-0218

Nolden L, Edenhofer F, Haupt S, Wunderlich TF, Siemen H, Brüstle O Genetic engineering of human embryonic stem cells by cell-permeable Cre recombinase. Nature Methods 2006, 3: 461-467.

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Zhang SC*, Wernig M, Duncan ID, Brüstle O*, and Thomson JA. In vitro differentiation of transplantable neural precursors from human embryonic stem cells. Nature Biotech. 2001, 19: 1129-1133. * corresp. author

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Brüstle O, Choudhary K, Karram K, Hüttner A, Murray K, Dubois-Dalcq M, and McKay RDG. Chimeric brains generated by intraventricular transplantation of fetal human brain cells into embryonic rats. Nature Biotech. 1998, 16: 1040-1044.

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