Cellartis® DEF-CS™ 500 Culture System를 사용한 다양한 논문 리스트를 확인하세요!

1. iPS 배양에 DEF-CS™를 사용하여, 목적세포로 분화한 다양한 논문

(1) Cortical Neurons

Nazir, Faisal Hayat, et al. "Expression and secretion of synaptic proteins during stem cell differentiation to cortical neurons." *Neurochemistry international* 121 (2018): 38-49.

(2) Endothelial cell

Delsing, Louise, et al. "Barrier properties and transcriptome expression in human iPSC-derived models of the blood–brain barrier." *Stem Cells* (2018).

(3) Early otic sensory cell

Lahlou, Hanae, et al. "Modeling human early otic sensory cell development with induced pluripotent stem cells." *PloS one* 13.6 (2018): e0198954.

(4) Chondrocytes (3d Print된 structure위에서 direct로 분화 진행)

Nguyen, Duong, et al. "Cartilage tissue engineering by the 3D bioprinting of iPS cells in a nanocellulose/alginate bioink." *Scientific reports* 7.1 (2017): 658.

(5) Neural cells

Säljö, Karin, et al. "HLA and Histo-Blood Group Antigen Expression in Human Pluripotent Stem Cells and their Derivatives." *Scientific reports* 7.1 (2017): 13072.

(6) Myeloid cell

Makaryan, Vahagn, et al. "Elastase inhibitors as potential therapies for ELANE-associated neutropenia." *Journal of leukocyte biology* 102.4 (2017): 1143-1151.

(7) Neuromesodermal progenitor

Verrier, Laure, et al. "Neural differentiation, selection and transcriptomic profiling of human neuromesodermal progenitors-like cells in vitro." *Development* (2018): dev-166215.

(8) Kidney organoids 분화 및 형성

Boreström, Cecilia, et al. "A CRISP (e) R view on kidney organoids allows generation of an induced pluripotent stem cell–derived kidney model for drug discovery." *Kidney international* 94.6 (2018): 1099-1110.

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2. DEF-CS™를 사용한 다양한 Application 적용

(1) ES cell 배양

Hanson, Charles, et al. "Transplanting embryonic stem cells onto damaged human corneal endothelium." *World journal of stem cells* 9.8 (2017): 127.

(2) ES ell의 Human neuromesodermal and spinal cord progenitors 분화 및 CRISPR 적용

Verrier, Laure, et al. "Generation, selection and transcriptomic profiling of human neuromesodermal and spinal cord progenitors in vitro." *bioRxiv* (2017): 182279.

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