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www.ncbi.nlm.nih.gov › Journal List › PLoS One › v.11(5); 2016

Sequential Differentiation of Embryonic Stem Cells into Neural Epithelial-Like Stem Cells and Oligodendrocyte Progenitor Cells. ... term self-renewing neuroepithelial-like stem cells **through embryoid body differentiation** ... share some features and developmental clues with **human ESCs** or **human induced pluripotent stem cells** (iPSCs ...

The tumorigenicity of iPS cells and their differentiated ...

www.ncbi.nlm.nih.gov › ... › J Cell Mol Med › v.17(6); 2013 Jun

Differentiation was initiated **through embryoid body** formation. ... Differentiated **iPSC-embryoid bodies** (EBs) **induced** by vitamin C (vC) for 14 ... Carpenter L, Carr C, Yang CT, et al. Efficient **differentiation of human induced pluripotent stem cells** generates cardiac cells that provide protection following myocardial infarction in the rat. ...

Cited by: 89

Author: Zhiqiang Liu, Yu Tang, Shuanghong Lü, Ji...

Publish Year: 2013

(PDF) Differentiation of Induced Pluripotent Stem Cells ...

https://www.researchgate.net/publication/236062152_Differentiation...

Differentiation of Induced Pluripotent Stem Cells into Male Germ Cells In Vitro **through Embryoid Body** Formation and Retinoic Acid or Testosterone Induction ... Estradiol has an **inducing** role in ...

A simplified protocol for differentiation of ...

www.nature.com › molecular psychiatry

Apr 18, 2017 - A simplified protocol for **differentiation** of electrophysiologically mature neuronal networks from **human induced pluripotent stem cells**. ... **through embryoid body** ... Differentiation of **human** ...

Cited by: 18

Author: N Gunhanlar, G Shpak, M van der Kroeg, ...

Publish Year: 2017

Author: N Gunhanlar

Osteogenesis from Human Induced Pluripotent Stem Cells: ...

https://www.researchgate.net/publication/260993986_Osteogenesis...

Hematopoietic **differentiation** of **human induced pluripotent stem cells** (iPSCs) provide opportunities not only for fundamental research and disease modelling/drug testing but also for large-scale ...

²
Name of Journal: *World Journal of Stem Cells*

Manuscript NO: 47987

Manuscript Type: REVIEW

Inducing human induced pluripotent stem cell differentiation through
embryoid bodies: A practical and stable approach

Guo NN *et al.* Practical and stable induction of hiPSCs

Ning-Ning Guo, Li-Ping Liu, Yun-Wen Zheng, Yu-Mei Li

Abstract

Human induced pluripotent stem cells (hiPSCs) are invaluable resources for

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A simple, scalable, and reproducible technology that allows direct formation of large numbers of homogeneous and synchronized **embryoid bodies** (EBs) of defined sizes from dissociated **human induced pluripotent stem cells** (hiPSCs) was developed. Non-cell ...

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Optimized conditions for the supplementation of human ...

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Optimized conditions for the supplementation of **human-induced pluripotent stem cell** cultures with a GSK-3 inhibitor during **embryoid body** formation with the aim of inducing **differentiation** into mesodermal and cardiac lineage

Author: Kiyomi Yoda, Yoshitsugu Ohnuki, Shi... Publish Year: 2019

Embryoid body formation from embryonic and induced ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3097911>

Dec 31, 2009 · Embryonic **stem** (ES) cells have the ability to differentiate into all germ layers, holding great promise not only for a model of early embryonic development but also for a robust cell source for cell-replacement therapies and for drug screening. **Embryoid body** (EB) formation from ES cells ...

Cited by: 71

Author: Sasitorn Rungarunlert, Mongkol Techaku...

Publish Year: 2009

Organoid-Induced Differentiation of Conventional T Cells ...

[https://www.cell.com/cell-stem-cell/fulltext/S1934-5909\(18\)30601-5](https://www.cell.com/cell-stem-cell/fulltext/S1934-5909(18)30601-5) ▼

We report here that a modified ATO system (PSC-ATO) permits the **differentiation** of human embryonic **stem cell** (ESC) and **induced pluripotent stem cell** (iPSC)-derived hEMPs to mature, conventional T cells in vitro. Following mesoderm induction, DLL4-expressing organoids supported hematopoietic specification and T cell development in a continuous organoid structure, which was effective across ...

Cited by: 10

Author: Amélie Montel-Hagen, Christopher S. Se...

Publish Year: 2019



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