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<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4260437>

Nov 25, 2014 · A bipotential stem cell with the differentiation capacity into mammary epithelial cell and myoepithelial cells has been detected in mammary gland tissue . Maternal mammary stem cells have been considered as one of the cell sources in breast milk [ 5 ].

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Author: Seyed Mojtaba Hosseini, Tahere Talaei-k...

Publish Year: 2014

Academic Editor: Changiz Geula

### Stem cells in human breast milk | SpringerLink

<https://link.springer.com/article/10.1007/s13577-019-00251-7> ▼

Apr 10, 2019 · Sani et al. cultivated purified human breast milk-derived stem cells and achieved their differentiation toward different lineages, again suggesting the presence of a pool of pluripotent cells in these cultures. A large proportion of these cells expressed the mesenchymal stem cell markers: CD44, CD90, CD271, and CD146.

Author: Natalia Ninkina, Michail S. Kukharsky...

Publish Year: 2019

### Systematic Comparison of Retinal Organoid Differentiation ...

<https://stemcells.journals.onlinelibrary.wiley.com/doi/full/10.1002/sctm.18-0267>

Mar 27, 2019 · The late Yoshiki Sasai started a legacy with his pioneering work, which demonstrated that invagination of the optic vesicle and formation of the optic cup could be achieved from mouse and human embryonic stem cells (hESCs) in vitro, giving rise to the most complex retinal organoids achieved at the time 10, 11.

Author: Carla B. Mellough, Carla B. Mellough,...

Publish Year: 2019

### [PDF] A systematic review: differentiation of stem cells into ...

<https://www.fasebj.org/doi/pdf/10.1096/fj.201600951RRR>

mesenchymal stem cells, and 7 with pluripotent stem cells, whereas the remaining 6 articles were based on other miscellaneous stem cell types. Stem cells can serve as a potential source of pericytes, but there should be standardized guidelines in future studies for assessing pericyte differentiation.

—Xu, J., Gong, T., Heng, B. C., Zhang, C. F.

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

**Manuscript NO:** 48051

**Manuscript Type:** SYSTEMATIC REVIEW

*In vitro* differentiation capacity of human breastmilk stem cells: A systematic review

Camila Maria Ribeiro Pacheco, Priscila Elias Ferreira, Claudia Sayuri Saçaki Saçaki, Luana Alves Tannous, Idiberto José Zotarelli-Filho, Luiz Cesar Guarita-Souza, Katherine Athayde Teixeira de Carvalho

**Abstract**

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Nov 25, 2014 · 3.2. The Neural Stem Cells Differentiated from Breast Milk-Derived Cells. After exposing the breast-milk stem cells to NS-A media (DMEM/F12, N2, B27, bFGF, and EGF) for 5 days, they formed shiny, floating, sphere-like cell aggregations, neurospheres, measuring about 100  $\mu$ m in diameter (Figure 3). The enzymatically dissociated neurospheres showed the capability of forming a new sphere within ...

Cited by: 15

Author: Seyed Mojtaba Hosseini, Tahere Talaei-kh...

Publish Year: 2014

## Cells of human breast milk | Cellular & Molecular Biology ...

<https://cmbl.biomedcentral.com/articles/10.1186/s11658-017-0042-4> ▾

Jul 13, 2017 · This review summarizes the current state of knowledge of breast milk cells, including leukocytes, epithelial cells, stem cells and potentially probiotic bacteria. Human milk is a complex fluid that has developed to satisfy the nutritional requirements of infants.

Cited by: 5

Author: Malgorzata Witkowska-Zimny, Ewa Kami...

Publish Year: 2017

## Human embryonic stem cells: Derivation, culture, and ...

[www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov) › [Journal List](#) › [HHS Author Manuscripts](#)

Jan 01, 2010 · Brolén GK, Heins N, Edsbacke J, Semb H. Signals from the embryonic mouse pancreas induce differentiation of human embryonic stem cells into insulin-producing beta-cell-like cells. Diabetes. 2005; 54 (1):2867-2874.

Cited by: 106

Author: Tandis Vazin, William J. Freed

Publish Year: 2010