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Central Immune Senescence, Reversal Potentials ...

https://www.ncbi.nlm.nih.gov/books/NBK402329

VIDEOS

This chapter summarised current knowledge on thymic senescence, a central immune tissue that suffers significant morphological changes and functional impairment during ageing. The epithelial network is in focus that provides the niche for developing thymocytes until adipose involution begins. We have discussed physiological thymic epithelial senescence in detail with respect to the signalling ...

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Cited by: 5 Author: Krisztian Kvell, Judit E. Pongracz

Publish Year: 2012

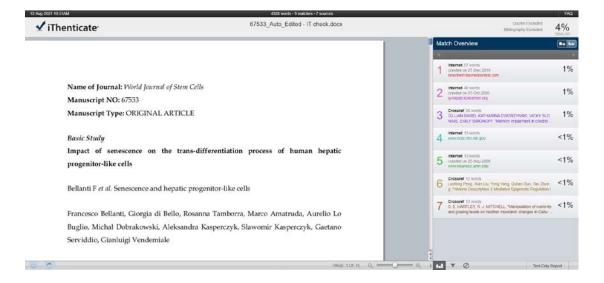
Expansion and differentiation of human hepatocyte-derived ...

https://www.nature.com/articles/s41422-018-0103-x

Oct 25, 2018 \cdot Oct 25, 2018 \cdot Conversion of human primary hepatocytes to liver progenitor-like cells. We have previously identified a transition and expansion medium (TEM) that allows for the conversion of mouse hepatocyte to ...

Cited by: 61 Author: Gong-Bo Fu, Wei-Jian Huang, Min Zeng, Xu ...

Publish Year: 2019



In vitro trans-differentiation of human umbilical cord ...

https://link.springer.com/article/10.1007/s10616-011-9337-x •

Feb 17, 2011 - The aim of the study was to develop a new strategy for the differentiation of hematopoietic stem cell (HSC) derived from UCB into hepatocyte like cells and also to estimate the effects of combination of fibroblast growth factor 4 (FGF 4) and hepatocyte growth factor (HGF) on hematopoietic stem cell differentiation. HSCs were isolated and purified by magnetic activated cell ...

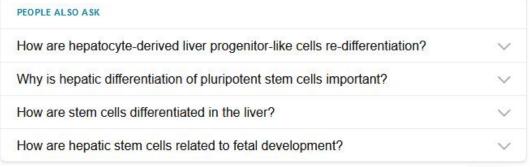
Cited by: 19 Author: S. Sellamuthu, R. Manikandan, R. Thiaga...

Publish Year: 2011

Inhibition of nuclear factor (erythroid-derived 2)-like 2 ... https://www.nature.com/articles/s41536-021-00137-z

May 26, 2021 · Further, NRF2 inhibition drives the trans-differentiation of HepaRG cells, a human liverderived cell line that shows phenotypical markers of hepatocyte-like and cholangiocyte-like cells 22.

Author: Francesco Bellanti, Giorgia di Bello, ... Publish Year: 2021



Feedback

Hepatic progenitor cell activation in liver repair ...

https://www.sciencedirect.com/science/article/pii/S2542568417000289

Sep 01, 2017 - The liver possesses an extraordinary ability to regenerate after injury. Hepatocyte-driven liver regeneration is the default pathway in response to mild-to-moderate acute liver damage. When replication of mature hepatocytes is blocked, facultative hepatic progenitor cells (HPCs), also referred to as oval cells (OCs) in rodents, are activated.

Cited by: 12 Author: Adam Bria, Jorgensen Marda, Junmei Zh...