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Jun 29, 2016 · For production of **human** organs, the carrier animal would be altered genetically in order to block the development of a given organ. **Human iPSC** would then be injected into blastocysts obtained from such genetically altered animals. Thus, only human cells would contribute to the development of that organ . Importantly, by using autologous **iPSC** it might be possible to produce autologous human ...

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Author: Rodolphe Bouret, Eric Martinez, François...

Publish Year: 2016

One Giant Leap to Nowhere - The New York Times

<https://www.nytimes.com/2009/07/19/opinion/19wolfe.html>

Jul 19, 2009 · That was a **small step** for Neil Armstrong, a **giant leap for mankind** ... If anyone had told me in July 1969 that the sound of Neil Armstrong's **small step** plus mankind's **big** one was the shuffle ...

Neil Armstrong's Heartbeat - EKG Up For Auction | Science 2.0

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One **Small Step** - Two **Small Strips** (Or Maybe Three) RR Auction of Amherst New Hampshire has announced a 2013 Space and Aviation Autograph and Artifact Auction. Items on sale will appeal to aviation and space buffs. RR Auction states that "Offerings include over 850 museum quality artifacts from the Golden Age of aviation and space flight".

Human–animal chimeras: ethical issues about farming ...

<https://stemcellres.biomedcentral.com/articles/10.1186/s13287-016...> ▾

Jun 29, 2016 · Another source of **PSC** are induced pluripotent **stem cells** (**iPSC**) that result from reprogramming differentiated cells into pluripotent cells by transitionally forcing the expression of four transcription factors [9, 10]. These **iPSC** have the same properties as **ESC**.

Name of Journal: *World Journal of Stem Cells*

Manuscript NO: 46674

Manuscript Type: MINIREVIEWS

Induced pluripotent stem cells, a giant leap for mankind therapeutic applications

José Bragança, João A Lopes, Leonardo Mendes-Silva, João M A Santos

Abstract

Induced pluripotent stem cells (iPSC) technology has propelled the field of stem cells biology, providing new cells to explore the molecular mechanisms of

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<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3821555>

Hepatocytes from Induced Pluripotent Stem Cells: A Giant Leap Forward for Hepatology. However, with the exception of **bone marrow transplants**, **adult stem cells**, to date, still have their problems, which, similar to hESCs, have also kept them out of the clinic for use as **stem cell therapies**.

Cited by: 10

Author: G. Ian Gallicano, Lopa Mishra, Lopa Mishra

Publish Year: 2010

Induced Pluripotent Stem Cells Therapeutic Applications ...

<https://www.stemcellfusion.com/.../induced-pluripotent-stem-cells-therapeutic-applications> ▾

The potential **applications** for **stem cell therapy** are broad. Recently, Japanese **stem cell** researcher Hisashi Moriguchi was found to be lying about a startling study using **induced pluripotent stem cells** to treat six heart patients. ... He used the falsified data on grant **applications** for government research ... Acquiring a sufficient number of ...

Induced pluripotent stem cells: From Nobel Prizes to ...

https://www.researchgate.net/publication/232963968_Induced_pluripotent_stem_cells_From...

Gurdon and Yamanaka received the Nobel Prize in 2012 with their discovery that mature **cells** could be converted to **stem cells** [9]. **Induced pluripotent stem cells** could be derived from ...

Hepatocytes from Induced Pluripotent Stem Cells: A Giant ...

https://www.researchgate.net/publication/227584242_Hepatocytes_from_Induced...

Request PDF on ResearchGate | On Jan 1, 2010, G. Ian Gallicano M.D and others published Hepatocytes from **Induced Pluripotent Stem Cells: A Giant Leap** Forward for Hepatology

Induced pluripotent stem cell (iPSCs) and their ...

<https://www.nature.com/articles/cmi201362>

Dec 16, 2013 · **Immunogenicity of iPSCs**. In fact, the disparities between iPSC- or ESC-derived clones perhaps deserve more attention than the differences between these two **pluripotent stem cells**. In a separate study, Guha and colleagues 42 explored the **immunogenicity of endothelial cells, hepatocytes and neuronal cells** derived from ESCs and iPSCs in vitro,...

Cited by: 30

Author: Zhenqing Jiang, Yanmei Han, Xuetao Cao