

Name of Journal: *World Journal of Stem Cells*

Manuscript NO: 33244

Manuscript Type: Minireviews

Skeletal muscle generated from induced pluripotent stem cells - induction
and application

Yuko Miyagoe-Suzuki, Shin'ichi Takeda

Abstract

Human induced pluripotent stem cells (hiPS cells or hiPSCs) can be derived
from cells of patients with severe muscle disease. If skeletal muscle induced

Match Overview

6	Crossref 26 words Biressi, S.: "Cellular heterogeneity during vertebrate skeletal muscle development", <i>Developmental Biology</i>	1%
7	Crossref 14 words Starkey, J. D., M. Yamamoto, S. Yamamoto, and D. J. Goldhamer. "Skeletal Muscle Satellite Cells Are	<1%
8	Internet 13 words crawled on 23-Apr-2016 www.jove.com	<1%
9	Crossref 13 words Segalés, Jessica, Eusebio Perdiguero, and Pura Muñoz-Cánoves. "Epigenetic control of adult skeletal	<1%
10	Internet 12 words crawled on 17-Nov-2009 www.freepatentsonline.com	<1%
11	Crossref 11 words "Human T-Cell Biology in a Mouse Environment", <i>Humanized Mice for HIV Research</i> , 2014.	<1%
12	Internet 11 words crawled on 02-Sep-2015 www.ncbi.nlm.nih.gov	<1%
13	Internet 11 words crawled on 20-Aug-2014 www.asas.or.jp	<1%

All

Images

News

Videos

Shopping

More

Settings

Tools

About 295,000 results (0.84 seconds)

Scholarly articles for **Skeletal muscle generated from induced pluripotent stem (iPS) cells—induction and application**

Generation of mouse **induced pluripotent stem cells** ... - **Okita** - Cited by 1952

Induction of pluripotent stem cells from adult human ... - **Takahashi** - Cited by 13159

Induced pluripotent stem cells generated from patients ... - **Dimos** - Cited by 1856

Skeletal Muscle Cell Induction from Pluripotent Stem Cells - Hindawi

<https://www.hindawi.com/journals/sci/2017/1376151/> ▼

by Y Kodaka - 2017

28 Mar 2017 - Embryonic stem cells (ESCs) and **induced pluripotent stem cells** (iPSCs) have the ... Thus, current approaches of **skeletal muscle cell induction** of ... hiPSCs can be **generated** from a wide variety of somatic cells [10, 11]. is required to **induce** full myogenic **program** in MyoD-overexpressing hESCs [54].

Generation of skeletal muscle cells from embryonic and induced ...

<https://www.ncbi.nlm.nih.gov> › **NCBI** › Literature › PubMed Central (PMC)

by S Salani - 2012 - Cited by 40 - Related articles

28 Jun 2012 - Embryonic stem cells (ESCs) and more recently **induced pluripotent stem cells** ... stem cell, **induced pluripotent stem cell**, muscular dystrophy, protocol Several methods for **skeletal myoblast induction** have been However, before using of **iPS cells** for future therapeutic **applications** in MDs, it will be ...

Harnessing the potential of induced pluripotent stem cells for ... - NCBI

<https://www.ncbi.nlm.nih.gov> › **NCBI** › Literature › PubMed Central (PMC)

by SM Wu - 2011 - Cited by 370 - Related articles

The discovery of methods to convert somatic cells into **induced pluripotent stem** to iPSC-derived **skeletal muscle** to appropriately model this disease in vitro, of pluripotent stem-cell-derived cells in vitro before their therapeutic **application**. Treatment of sickle cell anemia mouse model with **iPS cells generated** from ...

Scholar

About 24,800 results (0.26 sec)

Articles

Case law

My library

Any time

Since 2017

Since 2016

Since 2013

Custom range...

Sort by

relevance

Sort by date

☒ include
patents☐ include
citations☒ Create alertGeneration of mouse **induced pluripotent stem cells** without viral vectors

K Okita, M Nakagawa, H Hyenjong, T Ichisaka... - ..., 2008 - science.sciencemag.org

... We were unable to **generate** iPS **cells** by introducing the four factors with separate ...

Shown are

gutlike epithelial tissues (upper), epidermal tissues, **striated muscles**, and neural tissues (bottom). ...free iPS **cells** are germline-competent and whether they can be **generated** from adult ...

Cited by 1952 Related articles All 13 versions Cite Save

[HTML] Induction of pluripotent stem cells from adult human fibroblasts by defined factors

[HTML] sciencedirect.com

K Takahashi, K Tanabe, M Ohnuki, M Narita, T Ichisaka... - cell, 2007 - Elsevier

... results are proof of principle that **pluripotent stem cells** can be **generated** from somatic ... Theseefforts have enabled us to **generate** iPS **cells** from adult human dermal ... various tissues (Figure7), including gut-like epithelial tissues (endoderm), **striated muscle** (mesoderm), cartilage ...

Cited by 13159 Related articles All 66 versions Cite Save

Induced pluripotent stem cells generated from patients with ALS can be differentiated into motor neurons

[PDF] psu.edu

JT Dimos, KT Rodolfa, KK Niakan, LM Weisenthal... - ..., 2008 -

science.sciencemag.org

... germ layers: endoderm [(B), α -fetoprotein (AFP)], mesoderm [(C), desmin; (D), α -smooth **muscle**actin (α ... 4. iPS **cells** **generated** from ALS patients can be differentiated into motor neurons. ... to a**pluripotent** state (6). Previous reports using these four genes to **generate** human iPS ...

Cited by 1856 Related articles All 25 versions Cite Save

[HTML] Generation of human **induced pluripotent stem cells** by direct delivery of reprogramming proteins

[HTML] nih.gov

D Kim, CH Kim, JI Moon, YG Chung, MY Chang... - Cell stem ..., 2009 - ncbi.nlm.nih.gov

... germ layers including neural tissues (ectoderm), epidermal tissues (ectoderm), **striated muscle**(mesoderm), adipose ... would be necessary if such methods are used to **generate** iPS **cells** ... Treatment

of sickle cell anemia;



全部

图片

新闻

视频

购物

更多

设置

工具

找到约 922,000 条结果 (用时 0.66 秒)

Google 学术: Skeletal muscle generated from induced pluripotent stem cells - induction and application

Generation of mouse induced pluripotent stem cells ... - Okita - 被引用次数: 1959

Induction of pluripotent stem cells from adult human ... - Takahashi - 被引用次数: 13203

Induced pluripotent stem cells generated from patients ... - Dimos - 被引用次数: 1857

Skeletal Muscle Cell Induction from Pluripotent Stem Cells - Hindawi

<https://www.hindawi.com/journals/sci/2017/1376151/> - 翻译此页

作者: Y Kodaka - 2017

2017年3月28日 - Embryonic stem cells (ESCs) and induced pluripotent stem cells (iPSCs) have the ...

Thus, current approaches of skeletal muscle cell induction of ... hiPSCs can be generated from a wide variety of somatic cells [10, 11]. is required to induce full myogenic program in MyoD-overexpressing hESCs [54].

Generation of skeletal muscle cells from pluripotent stem cells ...

<https://www.ncbi.nlm.nih.gov> > NCBI > Literature > PubMed Central (PMC) - 翻译此页

作者: R Abujarour - 2015 - 被引用次数: 5 - 相关文章

2015年5月13日 - Human pluripotent stem cells (hPSCs) possess unlimited ... More recent advances have been made with the application of small ... hiPSCs are generated by the over-expression of a combination of ... In an early attempt to generate SMCs, hESCs were co-cultured with stromal cells (OP9) to induce their ...

Generation of skeletal muscle cells from embryonic and induced ...

<https://www.ncbi.nlm.nih.gov> > NCBI > Literature > PubMed Central (PMC) - 翻译此页

作者: S Salani - 2012 - 被引用次数: 41 - 相关文章

2012年6月28日 - Embryonic stem cells (ESCs) and more recently induced pluripotent ... Keywords: