

16

Name of Journal: *World Journal of Stem Cells*

ESPS Manuscript NO: 20720

Manuscript Type: Review

Mucosal-associated invariant T cells from induced pluripotent stem cells: A novel approach for modeling human diseases

Chie Sugimoto, Hiroyoshi Fujita, Hiroshi Wakao

Abstract

Mice have frequently been used to model human diseases involving immune dysregulation such as autoimmune and inflammatory diseases. These models help elucidate the mechanisms underlying the disease and in the development of novel therapies. However, if mice are deficient in certain cells and/or effectors associated with human diseases, how can their functions be investigated in this species? Mucosal-associated invariant T (MAIT) cells, a novel innate-like T cell family member, are a good example. MAIT cells are abundant in humans but scarce in laboratory mice. MAIT cells

Match Overview

1	CrossCheck 44 words "2014 ACR/ARHP Annual Meeting Abstract Supplement", Arthritis & Rheumatology, 2014.	1%
2	CrossCheck 41 words Serriari, Nacer-Eddine, Matthieu Eoche, Luciane Lamotte, Mathurin Fumery, Paulo Marcelo, Denis Chatelain, Anais B	1%
3	CrossCheck 41 words Laurent Gapin, "Where Do MAIT Cells Fit in the Family of Unconventional T Cells?", PLoS Biology, 2009	1%
4	Internet 35 words crawled on 08-Jun-2015 www.science.gov	1%
5	CrossCheck 32 words Howson, Lauren J., Mariolina Salio, and Vincenzo Cerundolo. "MR1-Restricted Mucosal-Associated Invariant T Cells..."	1%
6	Internet 23 words crawled on 25-Aug-2015 myeloma.org	<1%
7	Internet 21 words crawled on 15-Mar-2010 www.ncbi.nlm.nih.gov	<1%
8	CrossCheck 20 words Kurioka, A, J E Ussher, C Cosgrove, C Clough, J R Fergus- son, K Smith, Y-H Kang, L J Walker, T H Hansen, C B Will	<1%
	CrossCheck 19 words	<1%



Mucosal-associated invariant T cells from induced pluripotent stem cells: A n



网页

新闻

图片

视频

更多

搜索工具

找到约 40,000 条结果 (用时 0.75 秒)

Google 学术: Mucosal-associated invariant T cells from induced pluripotent stem cells: A novel approach for modeling human diseases

iPS cells: a game changer for future medicine - Inoue - 被引用次数: 92

...: new perspectives on the biology of mucosal T cells - Cheroutre - 被引用次数: 155

Attenuated liver fibrosis in the absence of B cells - Novobrantseva - 被引用次数: 168

Induced pluripotent stem cells in hematology: current and ...

www.nature.com > Journal home > Archive > May 09 2014 > 翻译此页

作者: D Focosi - 2014 - 被引用次数: 5 - 相关文章

2014年5月9日 - Reprogramming somatic cells into induced pluripotent stem (iPS) cells is ... of these models are, in the best scenario, only similar to the human disease Differently to conventional gene therapy approaches, HR ensures that the cells or invariant NKT (iNKT) cells) and mucosa-associated invariant T cells ...

iPS cells: a game changer for future medicine

www.ncbi.nlm.nih.gov > ... > Literature > PubMed Central (PMC) - 翻译此页

2014年2月6日 - The induced pluripotent stem cell (iPSC) technology is instrumental in ... show promise for multiple purposes related to understanding disease mechanisms ... Using this approach, disease modeling is possible (Qiang et al, 2011; Expansion of functional human mucosal-associated invariant T cells via ...

PBMC - HemaCare Blog - PBMC: Perspectives in Biology ...

www.hemacare.com/blog > 翻译此页

作者: SA Beard - 相关文章

[全部](#)[图片](#)[新闻](#)[视频](#)[购物](#)[更多 ▾](#)[搜索工具](#)

找到约 29,700 条结果 (用时 0.69 秒)

Google 学术: Mucosal-associated invariant T cells from induced pluripotent stem cells: A novel approach for modeling human diseases

iPS cells: a game changer for future medicine - Inoue - 被引用次数: 111

... : new perspectives on the biology of mucosal T cells - Cheroutre - 被引用次数: 160

Attenuated liver fibrosis in the absence of B cells - Novobrantseva - 被引用次数: 171

Induced pluripotent stem cells in hematology: current and ...

www.ncbi.nlm.nih.gov > ... > PubMed Central (PMC) ▾ [翻译此页](#)

作者: D Focosi - 2014 - 被引用次数: 5 - 相关文章

2014年5月9日 - Reprogramming somatic cells into induced pluripotent stem (iPS) cells is ... these models are, in the best scenario, only similar to the human disease and often ... This approach could lead to the identification of new genetic and ... cells or invariant NKT (iNKT) cells and mucosa-associated invariant T cells ...

[PDF] Induced pluripotent stem cells in hematology: current ... - ...

core.ac.uk/download/pdf/28949574.pdf ▾ [翻译此页](#)

2014年5月9日 - Your story matters. ... Reprogramming somatic cells into induced pluripotent stem (iPS) cells is nowadays ... are, in the best scenario, only similar to the human disease and ... disease, the establishment of in vitro differentiation models ... NKT (iNKT) cells⁷⁵ and mucosa-associated invariant T cells⁷⁶ have.

iPS cells: a game changer for future medicine - Inoue - 2014 ...

onlinelibrary.wiley.com > ... > Vol 33 Issue 5 > Abstract ▾ [翻译此页](#)

作者: H Inoue - 2014 - 被引用次数: 111 - 相关文章

2014年2月6日 - The induced pluripotent stem cell (iPSC) technology is instrumental in advancing ... Many genetic variants associated with human diseases are located in ... Using this approach, disease modeling is possible (Qiang et al, 2011; ... (2013) Expansion of functional human mucosal-associated invariant T cells ...

Cellular Reprogramming of Human Peripheral Blood Cells

www.sciencedirect.com/science/article/.../S1672022913000922 ▾ [翻译此页](#)

[全部](#)

[图片](#)

[新闻](#)

[视频](#)

[更多 ▾](#)

[搜索工具](#)

找到约 29,300 条结果 (用时 0.65 秒)

Google 学术: Mucosal-associated invariant T cells from induced pluripotent stem cells: A novel approach for modeling human diseases

iPS cells: a game changer for future medicine - Inoue - 被引用次数: 114

... : new perspectives on the biology of mucosal T cells - Cheroutre - 被引用次数: 160

Biology of CD1-and MR1-restricted T cells - Salio - 被引用次数: 53

Induced pluripotent stem cells in hematology: current and ...

www.nature.com > [Journal home](#) > [Archive](#) > [May 09 2014](#) ▾ [翻译此页](#)

作者: D Focosi - 2014 - 被引用次数: 5 - [相关文章](#)

2014年5月9日 - Reprogramming somatic cells into induced pluripotent stem (iPS) cells

is of these models are, in the best scenario, only similar to the human disease

Differently to conventional gene therapy approaches, HR ensures that the cells or invariant NKT (iNKT) cells) and mucosa-associated invariant T cells

iPS cells: a game changer for future medicine

www.ncbi.nlm.nih.gov > ... > [Literature](#) > [PubMed Central \(PMC\)](#) - [翻译此页](#)

2014年2月6日 - The induced pluripotent stem cell (iPSC) technology is instrumental in ...

iPSCs and associated technologies is expected to engender novel criteria for patient ...

Using this approach, disease modeling is possible (Qiang et al, 2011; Expansion of functional human mucosal-associated invariant T cells via ...

Cellular Reprogramming of Human Peripheral Blood Cells

www.sciencedirect.com/science/article/.../S1672022913000922 ▾ [翻译此页](#)

作者: XB Zhang - 2013 - 被引用次数: 18 - [相关文章](#)