

37

Name of Journal: *World Journal of Stem Cells*

Manuscript NO: 62548

Manuscript Type: MINIREVIEWS

Different kinds of stem cells in the development of severe acute respiratory syndrome coronavirus 2 treatments

Monica Maribel Mata-Miranda, Miguel Sanchez-Brito, Gustavo Jesus Vazquez-Zapien

Match Overview

1	Internet 125 words crawled on 29-Oct-2020 stemcellsjournals.onlinelibrary.wiley.com	2%
2	Internet 114 words crawled on 07-Oct-2020 onlinelibrary.wiley.com	2%
3	Internet 110 words crawled on 21-Nov-2016 stemcellres.biomedcentral.com	2%
4	Crossref 88 words Liulu Yang, Yuling Han, Benjamin E. Nilsson-Payant, Vikas Gupta et al. "A Human Pluripotent Stem Cell-based Platf...	1%
5	Internet 82 words crawled on 29-Oct-2020 www.biorxiv.org	1%
6	Internet 81 words crawled on 08-Nov-2020	1%



ALL

IMAGES

VIDEOS

4,860,000 Results

Any time ▾

[SARS-CoV-2 | The Stem Cellar](#)

<https://blog.cirm.ca.gov/tag/sars-cov-2> ▾

Crooks' and Seet's project uses **blood-forming stem cells** taken from healthy donors and infected with a virus containing antigens from SARS-CoV-2. They then direct these stem cells to produce large numbers of type **1 dendritic cells** using a new method developed by Seet and Suwen Li, ...

[Custom-Ordered Cells | Harvard Medical School](#)

<https://hms.harvard.edu/news/custom-ordered-cells> ▾

Dec 01, 2020 · New tool broadens ability to **program stem cells**, study SARS-CoV-2. By STEPHANIE DUTCHEN December 1, 2020 Research. Functional **neurons**, **left**, and **vascular endothelial cells**, **right**, were derived from **human pluripotent stem cells** using the **Human TFome** technology...

[SARS-CoV-2 infection demonstrated in a human lung ...](#)

<https://www.sciencedaily.com/releases/2021/01/210111112202.htm> ▾

Jan 11, 2021 · The Dutch team has now remedied this deficiency through application of self-renewing organoid models containing **stem cells** capable of differentiating into relevant **cell types** ...

[Researchers demonstrate SARS-CoV-2 infection in human ...](#)

<https://www.news-medical.net/news/20210111/> ▾

Jan 12, 2021 · Development of an in vitro human-derived tissue model for studying virus infection and disease progression in the **alveolar cells** of the lungs responsible for ...

[SARS_CoV_2 Can Infect Neurons and Damage Brain Tissue ...](#)

<https://neurosciencenews.com/sars-cov-2-oxygen-brain-17569> ▾

Jan 12, 2021 · Many questions remain to be answered, including whether **SARS-CoV-2** can infect neurons or other **types** of brain cells. To address this question, a team led by Iwasaki and co-senior author Kaya Bilguvar, an associate professor at Yale School of Medicine, analyzed the ability of **SARS-CoV-2** to invade human brain organoids, miniature 3D organs grown ...

[The rationale of using mesenchymal stem cells in patients ...](#)

<https://pubmed.ncbi.nlm.nih.gov/32779878>

On the other hand, it is also very important to mention that there is a good deal of concern about clinics offering unproven **stem cell treatments** for COVID-19. The reviewers and oversight bodies will be looking for a balanced but critical appraisal of current trials

国内版

国际版

Different kinds of stem cells in the development of severe acute res



ALL

IMAGES

VIDEOS

561,000 Results

Any time ▾

[Mesenchymal stromal cells as potential immunomodulatory ...](#)

<https://pubmed.ncbi.nlm.nih.gov/32952855>

Mesenchymal stromal cells as potential **immunomodulatory** players in severe acute respiratory distress syndrome induced by SARS-CoV-2 infection World J Stem Cells . 2020 Aug 26;12(8):731-751. doi: 10.4252/wjsc.v12.i8.731.

Cited by: 2

Author: Panagiotis Mallis, Efstathios Michalopoul...

Publish Year: 2020

[Overview of Stem Cell Therapy for Acute Respiratory ...](#)

<https://pubmed.ncbi.nlm.nih.gov/32942797>

Objective: There are as yet no effective strategies to treat the novel **COVID-19** and to **stem** its symptoms, including ARDS. This review examines recent research studies in humans to determine whether mesenchymal **stem cells** (MSCs) may be used effectively and safely to target potentially deadly lung damage that may follow infection.

Author: Rachel J Kaye

Publish Year: 2020

[Human Lung Stem Cell-Based Alveolospheres Provide ...](#)

ALL

IMAGES

VIDEOS

MAPS

NEWS

SHOPPING

TOOLS ▾

SARS-CoV-2 | The Stem Cellar

<https://blog.cirm.ca.gov/tag/sars-cov-2> ▾

SARS-CoV-2, the name of the coronavirus that causes COVID-19, first appears in the alveoli, which are tiny air sacs in the lungs that take up the oxygen we breathe and exchange it with carbon dioxide. To better understand how **SARS-CoV-2** infects the lungs and causes COVID-19, the team used donated tissue to extract a specific type of lung cell.

Three-Dimensional Human Alveolar Stem Cell Culture Models ...

<https://pubmed.ncbi.nlm.nih.gov/33142113>

Severe acute respiratory syndrome coronavirus 2 (**SARS-CoV-2**), which is the cause of a present pandemic, infects human lung alveolar type 2 (hAT2) cells. Characterizing pathogenesis is crucial for developing vaccines and therapeutics. However, the lack of models mirroring the cellular physiology and

...

Cited by: 13

Author: Jeonghwan Youk, Taewoo Kim, Kelly V. Eva...

Publish Year: 2020

Exosomes Derived from Bone Marrow Mesenchymal Stem Cells ...

<https://pubmed.ncbi.nlm.nih.gov/32380908>

Exosomes Derived from Bone Marrow Mesenchymal **Stem Cells** as **Treatment** for Severe COVID-19. This prospective nonrandomized open-label cohort study addresses the safety and efficacy of exosomes (ExoFlo™) derived from allogeneic bone marrow mesenchymal **stem cells** as **treatment** for severe COVID-19. During April 2020, ExoFlo was provided to 24 **SARS-CoV-2** polymerase chain reaction ...

Cited by: 87

Author: Vikram Sengupta, Sascha Sengupta, Angel ...

Publish Year: 2020

Stem cell-based rapid identification of SARS-CoV-2 T cell ...

<https://www.cirm.ca.gov/our-progress/awards/stem...> ▾

Research Objective. We will identify SAR-CoV-2 T cell epitopes for vaccine **development** and specific TCRs for adoptive T cell therapy using a **stem cell**-based platform to generate specialized dendritic cells

...

Potential therapeutic application of mesenchymal stem cell ...

<https://stemcellres.biomedcentral.com/articles/10.1186/s13287-020-01866-6> ▾

Aug 14, 2020 · Mesenchymal stem cell-derived exosomes (MSC-Exo) are believed to have anti-inflammatory effects and immune-modulating capacity as well as the ability to induce tissue