

About 66,100 results (0.53 seconds)

www.ncbi.nlm.nih.gov › pubmed ▼

## The use of decellularized adipose tissue to provide an ... - NCBI

Mar 20, 2010 - The use of **decellularized adipose tissue** to provide an **inductive microenvironment** for the adipogenic differentiation of human **adipose**-derived **stem cells**. ... Towards the goal of **engineering** an optimized **microenvironment** for ... which yielded 3-D scaffolds with preserved extracellular **matrix** architecture.  
by LE Flynn - 2010 - [Cited by 296](#) - [Related articles](#)

www.researchgate.net › publication › 42371441\_The\_use...

## The use of decellularized adipose tissue to provide an ...

**Adipose tissue engineering** represents a promising approach to address the unmet ... The recellularization with **adipose**-derived **stem cells** of rat origin was also ... Tissue-Engineered Grafts from Human **Decellularized Extracellular Matrices**: A ... **adipose** tissue (DAT) was found to provide an **inductive microenvironment** for ...

experiments.springernature.com › articles ▼

## Decellularized Adipose Tissue Scaffolds for Soft Tissue ...

Series: Methods In Molecular Biology > Book: **Adipose-Derived Stem Cells** ... **matrix** (ECM), **Adipose**-derived stem/stromal cells, **Soft tissue regeneration** ... The use of **decellularized adipose** tissue to provide an **inductive microenvironment** for ...

europepmc.org › article › med

**7** **Name of Journal:** *World Journal of Stem Cells*

**Manuscript NO:** 53790

**Manuscript Type:** Review

Decellularized adipose matrix provides an inductive microenvironment for stem cells in tissue regeneration

Yang JZ *et al.* DAM provides microenvironment for stem cells

Ji-Zhong Yang, Li-Hong Qiu, Shao-Heng Xiong, Juan-Li Dang, Xiang-Ke Rong, Meng-Meng Hou, Kai Wang, Zhou Yu, Cheng-Gang Yi

Ji-Zhong Yang, Li-Hong Qiu, Shao-Heng Xiong, Juan-Li Dang, Xiang-Ke Rong, Meng-Meng Hou, Kai Wang, Zhou Yu, Cheng-Gang Yi, **3** Department of Plastic Surgery, Xijing Hospital, Fourth Military Medical University, Xi'an 710032, Shaanxi Province, China

# Abstract

Stem cells play a key role in tissue regeneration due to their self-renewal and multidirectional differentiation, which are continuously regulated by signals from the extracellular matrix (ECM) microenvironment. Therefore, the unique biological and physical characteristics of the ECM are important determinants of stem cell

## Match Overview

<b>1</b>	<b>Crossref</b> 26 words Hui Zheng, Lihong Qiu, Yingjun Su, Chenggang Yi. "Conv entional Nanofat and SVF/ADSC-Concentrated Nanofat..."	<1%
<b>2</b>	<b>Internet</b> 16 words crawled on 02-Oct-2019 <a href="http://academic.oup.com">academic.oup.com</a>	<1%
<b>3</b>	<b>Internet</b> 15 words crawled on 02-Apr-2020 <a href="http://onlinelibrary.wiley.com">onlinelibrary.wiley.com</a>	<1%
<b>4</b>	<b>Internet</b> 14 words crawled on 06-May-2020 <a href="http://journals.lww.com">journals.lww.com</a>	<1%
<b>5</b>	<b>Internet</b> 14 words crawled on 22-May-2020 <a href="http://journals.physiology.org">journals.physiology.org</a>	<1%
<b>6</b>	<b>Crossref</b> 13 words Jing-Kun Zhang, Run-Xuan Du, Lin Zhang, Ya-Nan Li, Mi ng-Le Zhang, Shuo Zhao, Xiang-Hua Huang, Yan-Fang X	<1%
<b>7</b>	<b>Internet</b> 13 words crawled on 19-Aug-2019 <a href="http://f6publishing.blob.core.windows.net">f6publishing.blob.core.windows.net</a>	<1%
<b>8</b>	<b>Internet</b> 12 words crawled on 22-Oct-2015 <a href="http://amsdottorato.unibo.it">amsdottorato.unibo.it</a>	<1%

Decellularized adipose matrix provides an inductive m

ALL

IMAGES

VIDEOS

151,000 Results

Any time ▼

## [The use of decellularized adipose tissue to provide an ...](https://www.ncbi.nlm.nih.gov/pubmed/20304481)

<https://www.ncbi.nlm.nih.gov/pubmed/20304481>

Seeding experiments with **human adipose-derived stem cells** indicated that the **decellularized adipose tissue (DAT)** provided an inductive microenvironment for **adipogenesis**, supporting the expression of the **master regulators PPARGgamma** and **CEBPalpha**, without the need for **exogenous differentiation factors**.

**Cited by:** 296**Author:** L.E. Flynn, L.E. Flynn**Publish Year:** 2010

## [The use of decellularized adipose tissue to provide an ...](https://www.sciencedirect.com/science/article/pii/S0142961210002929)

<https://www.sciencedirect.com/science/article/pii/S0142961210002929>

The **decellularized matrix of adipose tissue** holds promise as a scaffold for **adipose tissue regeneration**. A significant quantity of **human ECM**, including **basement membrane components**, can be isolated from this **tissue** source that is widely available and commonly discarded.

**Cited by:** 296**Author:** L.E. Flynn, L.E. Flynn**Publish Year:** 2010

## [Combining decellularized human adipose tissue ...](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3965366)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3965366>

**Decellularization**, which is a helpful way of **deriving native ECM** from **adipose tissues**, would allow the study of native ECM properties and would **guide tissue engineering** to design a biomimetic scaffold [14, 15]. ECM from both porcine [16] and human [17-20] **adipose tissue** have been used for **tissue engineering**.

**Cited by:** 92**Author:** Lina Wang, Joshua A. Johnson, Qixu Z...**Publish Year:** 2013