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Basic Study

Involvement of Glycated Albumin in adipose-derived-stem cell-mediated Th17 cell activation

Pestel J *et al.* Glycated Albumin induces lean AT inflammation

Julien Pestel, Maud Robert, Sara Corbin, Hubert Vidal, Assia Eljaafari

Abstract

BACKGROUND

Advanced glycation end products (AGE) are a marker of various diseases including diabetes, in which they participate to vascular damages such as retinopathy, nephropathy and coronaropathy. Besides those vascular complications, AGE are involved in altered metabolism in many tissues, including adipose tissue (AT) where they contribute to reduced glucose uptake and attenuation of insulin sensitivity. AGE

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Current understanding of adipose-derived ... 翻译此页

Cited by: 5 Author: Chenxia Hu, Lingfei Zhao, Lanjuan Li

Publish Year: 2019

2019-7-8 · ADMSCs are reported to produce tonofilaments and to then enter the injured sites after activation of the stromal-derived factor-1 (SDF-1)/C ... I, Varela P, Tapia G, Videla LA. Involvement of Kupffer cell-dependent signaling in T3-induced hepatocyte proliferation in vivo. ... potential and related signal pathway of adipose-derived stem cell ...

<https://stemcellres.biomedcentral.com/articles/10.1186/s13287-019-1310-1> ▾

Reduced Let-7f in Bone Marrow-Derived ... 翻译此页

Author: Linyu Geng, Linyu Geng, Xiaojun Tang... Publish Year: 2020

位置: 8600 Rockville Pike, Bethesda, MD

2020-2-18 · Recently, this imbalance in T cell homeostasis is thought to be contributed by defective immune regulation of bone marrow derived mesenchymal stem cells (BM-MSCs) from SLE patients (4, 5), but the underlying mechanisms still largely unknown.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7040072>

Phylogenetic distinction of iNOS and IDO function in ... 翻译此页

Cited by: 131 Author: J Su, X Chen, Y Huang, W Li, J Li, K Cao,...

Publish Year: 2014

2013-10-25 · Phylogenetic distinction of iNOS and IDO function in mesenchymal stem cell-mediated immunosuppression in mammalian species ... human adipose-derived mesenchymal stem cells in a rabbit model of ...

<https://www.nature.com/articles/cdd2013149>



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[A novel antifibrotic strategy utilizing conditioned media ...](https://www.nature.com/articles/s12276-020-0393-1)

<https://www.nature.com/articles/s12276-020-0393-1>

Mar 09, 2020 · A novel **cell**-free strategy for promoting mouse liver regeneration: utilization of a conditioned medium from **adipose-derived stem cells**. *Hepatol. Int.* 9, 310–320 (2015).

Author: Kwang Yeol Paik, Kee-Hwan Kim, Jung ... **Publish Year:** 2020

[Mesenchymal stromal cells promote liver regeneration ...](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7019139)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7019139>

Jan 22, 2020 · Liver regeneration and immune **cells**. In response to liver injury, liver tissues initiate subsequent **activation** of several subsets of innate immune **cells**, including macrophages, NK **cells**, NKT **cells**, $\gamma\delta$ T **cells**, DCs, innate lymphoid **cells** (ILCs), neutrophils, eosinophils and adaptive immune **cells**, including T lymphocytes, Tregs, B lymphocytes, Bregs and T helper (Th) **cells** (Figure Figure1 1).

Author: Chenxia Hu, Zhongwen Wu, Lanjuan Li **Publish Year:** 2020

[Reduced Let-7f in Bone Marrow-Derived Mesenchymal Stem ...](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7040072)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7040072>

Feb 18, 2020 · Treg and **Th17 cells**, which share a common precursor **cell** (the naïve CD4 T **cell**), require a common TGF- β signal for initial differentiation (1, 26). However, terminally differentiated **cells** fulfill opposite functions: **Th17 cells** cause autoimmunity and inflammation, whereas Treg **cells** inhibit these phenomena and maintain immune homeostasis (1, 2).

Author: Linyu Geng, Linyu Geng, Xiaojun Tang, S... **Publish Year:** 2020

[Treatment of experimental arthritis by inducing immune ...](https://www.onlinelibrary.wiley.com/doi/full/10.1002/art.24405)

<https://www.onlinelibrary.wiley.com/doi/full/10.1002/art.24405>

Mar 30, 2009 · Similar to RA, CIA is characterized by joint inflammation, owing to the Th1 and **Th17 cell**-



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Interleukin-17A Gene Variability in Patients with Type 1 ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4748108>

Although individuals at risk for T1DM are recognized by screening for HLA-associated risk genotypes and β cell autoantibodies, recently the pathogenic role of **IL-17-secreting T helper 17** (Th17) cells has been implicated in the development of T1DM [6–8]. The IL-17 cytokine family consists of six cytokine members designed from **IL-17A** (originally cloned and named CTLA-8), IL-17B, IL-17C, IL-17D, IL-17E, and IL ...

Cited by: 15

Author: Petra Borilova Linhartova, Jakub Kastovs...

Publish Year: 2016

Adipose tissue-derived stem cells as a regenerative ...

<https://aasldpubs.onlinelibrary.wiley.com/doi/full/10.1002/hep.26470>

May 17, 2013 · **Helper T-cell activation** skewed to produce Th1 cytokines is pathogenic in steatohepatitis. 20, 21 In particular, Th17 is emerging as an important source of IL-17 family cytokines 22 and is involved in the hepatic inflammation in NASH. 23 **Helper T** cells producing Th2 cytokines such as IL-4, 5, and 13 contribute to fibrosis. 24 We conclude ...

Cited by: 76

Author: Akihiro Seki, Yoshio Sakai, Takuya Komur...

Publish Year: 2013

T helper cell type 1 (Th1), Th2 and Th17 responses to ...

https://www.researchgate.net/publication/5455937_T...

T helper (Th)17 cells are responsible for **host defense against fungi** and certain **extracellular bacteria** but have also been reported to play a role in a variety of **autoimmune diseases**.

Suppression of interleukin 17 contributes to the ...

<https://www.researchgate.net/publication/308013969...>

Adipose-derived stem cells (ADSCs), **stromal cells derived** from **adipose tissue**, were investigated with **allogeneic ADSCs** in B6.MRL/lpr mice, a murine model of **systemic lupus erythematosus** (SLE).

Targeting bioenergetics prevents CD4 T cell-mediated ...

<https://www.researchgate.net/publication/339229357...>