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### Myeloid cell trafficking and tumor angiogenesis

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3167210>

May 18, 2007 · Monocytes can either differentiate into macrophages, which express proangiogenic growth factors, or into endothelial-like cells, which may directly participate in neovascularization. Preliminary studies in animals suggest that modulation of bone marrow derived cell trafficking into tumors will provide a useful new approach in cancer therapy.

### Cancer-Stimulated CAFs Enhance Monocyte Differentiation ...

<https://clincancerres.aacrjournals.org/content/24/21/5407> ▾

Nov 01, 2018 · Purpose: M2-type TAMs are increasingly implicated as a crucial factor promoting metastasis. Numerous cell types dictate monocyte differentiation into M2 TAMs via a complex network of cytokine-based communication. Elucidating critical pathways in this network can provide new targets for inhibiting metastasis. In this study, we focused on cancer cells, CAFs, and monocytes as a major ...

Cited by: 22

Author: Haaglim Cho, Youngha Seo, Kin Man Lok...

Publish Year: 2018

### Monocyte-derived APCs are central to the response of PD1 ...

<https://jitc.bmj.com/content/8/2/e000588> ▾

Jul 01, 2020 · Background PD1 immune checkpoint blockade (αPD1 ICB) has shown unparalleled success in treating many types of cancer. However, response to treatment does not always lead to tumor rejection. While αPD1 ICB relies on cytotoxic CD8+ T cells, antigen-presenting cells (APCs) at the tumor site are also needed for costimulation of tumor-infiltrating lymphocytes (TILs).

Cited by: 3

Author: Sjoerd T T Schetters, Ernesto Rodriguez,...

Publish Year: 2020

### Heat-Shock Induction of Tumor-Derived Danger Signals ...

<https://clincancerres.aacrjournals.org/content/17/8/2474> ▾

Apr 15, 2011 · In particular, HS treatment of tumor cells induces DAMPs, which provide activation signals that trigger a fast monocyte differentiation into maDCs. Furthermore, tumor-associated DAMPs may be responsible for an efficient Ag cross-presentation by TAPCells, thus mediating an optimal immune response in vaccinated patients.

Cited by: 79

Author: Raquel Aguilera, Carlos Saffie, Andres Tit...

Publish Year: 2011



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### Monocytes and macrophages in COVID-19: Friends and foes

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7834345>

Mar 15, 2021 · 1.2. Alteration in blood **monocytes** in **COVID-19**. Peripheral blood **monocytes** are fundamental mononuclear cells to **provide** appropriate control of pathogens such as viruses...

Author: Sepideh Meidaninikheh, Nasim Sabouni, ... Publish Year: 2021

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Author: Haaglim Cho, Youngha Seo, Kin Man Loke, ...

Publish Year: 2018 Estimated Reading Time: 7 mins

### COVID-19: Immunology, Immunopathogenesis and Potential ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7919479>

Feb 27, 2021 · 3. Pathogenesis of **COVID-19**. SARS-CoV-2 is transmitted from infected **patients** to healthy individuals through direct contact or via spread of respiratory droplets from the infected **patients** [].The...

Author: Asha Bhardwaj, Leena Sapra, Chaman ... Publish Year: 2021

### Association of Lymphocyte-to-Monocyte Ratio With Survival ...

<https://europepmc.org/article/PMC/PMC8203902>

Jan 01, 2021 · Median duration of **therapy** was 6 cycles. Considering line of **therapy**, 70 **patients** (50.4%) received **treatment** in the first-line, 34 (24.5%) in the second-line, and 35 (25.1%) in the third-line or later...

### Myelodysplastic/ Myeloproliferative Neoplasms Treatment ...

<https://www.cancer.gov/types/myeloproliferative/hp/mds-mpd-treatment-pdq>

Nov 05, 2020 · BMT seems to offer the best chance of cure for JMML.[4,9,20-23] A summary of the outcome of 91 **patients** with JMML treated with BMT in 16 different reports is as follows: 38 **patients**...

### Targeting CXCR4-dependent immunosuppressive Ly6Clow ...

<https://www.pnas.org/content/early/2017/09/11/1710754114>

Sep 12, 2017 · The survival benefit of antiangiogenic **therapies** for **cancer patients** has been limited, potentially due to intrinsic/acquired resistance. Deciphering and targeting resistance mechanisms are...

### Pharmacological validation of targets regulating CD14 ...





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Name of Journal: World Journal of Clinical Cases

Manuscript NO: 63738

Manuscript Type: OPINION REVIEW

Regulating monocyte infiltration and differentiation: Provide new therapies for colorectal cancer patients with COVID-19

Role of monocyte-macrophage in COVID-19

Ling Bai, Wang Yang, Lei Qian, Jiu-Wei Cui



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## Monocytes and macrophages in COVID-19: Friends and foes

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7834345>

Mar 15, 2021 · 1.2. Alteration in blood monocytes in COVID-19. Peripheral blood monocytes are fundamental mononuclear cells to provide appropriate control of pathogens such as viruses []. Nonetheless, it has been discovered that following the SARS-CoV-2 infection, some of their functions are disrupted including cytokine production and chemotaxis.

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Author: Sepideh Meidaninikjeh, Nasim Sabouni, ...

Publish Year: 2021

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Author: Haaglim Cho, Youngha Seo, Kin Man Lok...

Publish Year: 2018 Estimated Reading Time: 8 mins

## Chronic stress-induced immune dysregulation in cancer ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7269780>

May 01, 2020 · Any cancer treatments taking effects by boosting the immune system will be influenced by neuroimmune regulation. Researchers have conducted in-depth studies in an attempt to elucidate the underlying mechanisms, aiming to enhance the efficacy of treatments and benefit cancer patients.

Cited by: 7

Author: Leyi Zhang, Jun Pan, Wuzhen Chen, Jinx...

Publish Year: 2020

## Targeting CXCR4-dependent immunosuppressive Ly6Clow ...

<https://www.pnas.org/content/early/2017/09/11/1710754114> ▾

Sep 12, 2017 · The survival benefit of antiangiogenic therapies for cancer patients has been limited, potentially due to intrinsic/acquired resistance. Deciphering and targeting resistance mechanisms are critical to improving treatment outcome, especially in cancers where antiangiogenic therapies are standard of care, such as colorectal cancer (CRC). Consistent with our clinical findings, we found up ...

Cited by: 57

Author: Keahoon Jung, Takahiro Heishi, Inao Inci