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*Basic Study*

New categorization of human vascular endothelial cells by pro- versus anti-proliferative phenotypes

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1 Sep 2014 ... angiogenesis, a process that is defined as the growth of **new** ... balance of **pro-** and **anti-**angiogenic factors. ... **phenotypes** that are **categorized** as either migratory tip **cells** or **proliferating** stalk **cells** (Adams and Alitalo, 2007. Potente et al., ... regulated by a feedback system involving **vascular endothelial**.

### New perspectives for the treatment of pulmonary hypertension

[www.ncbi.nlm.nih.gov/pmc/articles/PMC3085874/](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3085874/)

PVR increases are attributed to **endothelial** dysfunction, resulting in ... This **pro-proliferative phenotype** is underpinned, at least in a subset of PAH patients, ... **pro-proliferative** TXA2 from vasodilator, **anti-proliferative** PGI2 (Christman et al., 1992. .... reduces proliferation of **human vascular** smooth muscle **cells** (Rybalkin et al.,....

### Pathogenesis of pulmonary arterial hypertension: lessons from cancer

[err.ersjournals.com/content/22/130/543.full](http://err.ersjournals.com/content/22/130/543.full)

1 Dec 2013 ... Among them: a monoclonal expansion of **endothelial cells** has been found ... time than control **cells** [11–13]. and **human** pulmonary **vascular cells** ... of investigation regarding the potential use of **antiproliferative** and/or .... present a modified **pro-proliferative**, apoptotic-resistant **phenotype**. ..... **Classifications**.

### Cancer Biology: Theoretical perspectives - Elledge Lab

[elledgelab.med.harvard.edu/?page\\_id=305](http://elledgelab.med.harvard.edu/?page_id=305)

Cancer **cells** achieve these **phenotypes** in large part by reactivating and .... Cancer **cells** have evolved to overcome the **anti-proliferative** effects of DNA .... the OA or NOA designations, others are more difficult to **categorize** because they exhibit ..... proliferation and migration of **vascular endothelial cells** and vessel sprouting,....

### Pro- and Anti-Inflammatory Cytokine Networks in Atherosclerosis

[www.hindawi.com/journals/isrn/2012/987629/](http://www.hindawi.com/journals/isrn/2012/987629/)


31 Oct 2012 ... We will conclude with **new** directions in therapeutic strategies and .... These **cells** include **endothelial**, **vascular** smooth muscle, ... Both M1 and M2 macrophages are present in **human** lesions, and macrophage **phenotypic** polarization ..... functional **categorization** of their being "**pro-**" or "**anti-**"-inflammatory.

### Transforming growth factor beta - Wikipedia, the free encyclopedia



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El Ager, J Neo, C Christophi - Carcinogenesis, 2008 - Oxford Univ Press

... of the RAS has increased dramatically in recent years with the discovery of new enzymes, peptides ...

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melanoma syngeneic tumours (49) and in xenograft models of human prostate (50 ...

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... (1997) Revised American Society for Reproductive Medicine classification of endometriosis ...

endothelial growth factor is upregulated by interleukin - 1 beta in human vascular smooth muscle ...

F. and Ellis, LM (2000) Endothelial cell survival and apoptosis in the tumor vasculature. ...

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5.808. Published on behalf of. The regulation of vascular smooth muscle cell apoptosis. Nicola

J. McCarthy, Martin Bennett DOI: http://dx.doi.org/10.1016/S0008-6363(99)00275-8.

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Current classification of pulmonary hypertension. ... This pro-proliferative phenotype is underpinned, at least in a subset of PAH patients, ... Anti-coagulant therapy with warfarin appears to have beneficial effects on survival, at least ..... reduces proliferation of human vascular smooth muscle cells (Rybalkin et al., 2002) and ...

## Pathogenesis of pulmonary arterial hypertension: lessons ...

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pulmonary smooth muscle and endothelial cells, the metabolic (glycolytic) shifts, ... opened a new field of investigation and raises the possibility that antiproliferative ... for a longer time than control cells [11-13]; and human pulmonary vascular cells .... and present a modified pro-proliferative, apoptotic-resistant phenotype.

## Pro- and Anti-Inflammatory Cytokine Networks in ...

[www.hindawi.com/journals/isrn/2012/987629/](http://www.hindawi.com/journals/isrn/2012/987629/) ▾ 翻译此页

作者: MV Autieri - 2012 - 被引用次数: 6 - 相关文章

2012年10月31日 - These cells include endothelial, vascular smooth muscle, of