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### Cell-Specific Dual Role of Caveolin-1 in Pulmonary Hypertension

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作者: R Mathew - 2011 - 被引用次数: 42 - 相关文章

2011年3月10日 - Loss of endothelial caveolin-1 is reported in clinical and experimental forms of PH. ... remodeling and PH with subsequent cell migration and neointima formation. .... expression of caveolin-1 in SMC and possible translocation from caveolae. Interestingly, caveolin-1 requires cavin-1 (one of the cavin protein ...

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2018年8月1日 - Loss of endothelial caveolin-1 is reported in clinical and experimental forms of PH. ... Newly formed EC in neointima express increased eNOS; possibly low ... Cell-Specific Dual Role of Caveolin-1 in Pulmonary Hypertension ... expression of caveolin-1 occurs in smooth muscle cells, where it facilitates cell ...

### Caveolin-1 expression during the progression of pulmonary ... - NCBI

<https://www.ncbi.nlm.nih.gov/pubmed/22890027> [▼ 翻译此页](#)

作者: J Huang - 2012 - 被引用次数: 30 - 相关文章

2012年8月13日 - Caveolin-1 plays a pivotal role in maintaining vascular health. ... the onset of monocrotaline (MCT)-induced pulmonary hypertension (PH), and the rescue ... caveolin-1 loss associated with enhanced expression of caveolin-1 in smooth muscle cells (SMC) with subsequent neointima formation in human PH.

缺少字词: cavin1 p

### Caveolae, caveolin-1 and cavin-1: Emerging roles in pulmonary ...

<https://www.wjgnet.com/2218-6255/full/v5/i2/126.htm> [▼ 翻译此页](#)

作者: S Chettimada - 2015 - 被引用次数: 2 - 相关文章

2015年7月28日 - Caveolae, caveolin-1 and cavin-1: Emerging roles in pulmonary ... Core tip: Pulmonary hypertension is a disease condition that is ... Cav-3 is mostly expressed in skeletal and smooth muscle cells, ... the additional formation of complex cellular and fibrotic neointimal ... P-133, 143, 156: Palmitoylation sites.

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1	Crossref	64 words Jing Huang, Maria Frid, Michael H Gewitz, John T Fallon, dale brown, Greta Krafzur, Kurt R Stenmark, Rajamma M	1%
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9	Crossref	12 words Rajamma Mathew. "Chapter 1 Pulmonary Hypertension: Endothelial Cell Function", InTech, 2011	<1%

1

**Name of Journal:** *World Journal of Hypertension*

**Manuscript NO:** 42832

**Manuscript Type:** ORIGINAL ARTICLE

### Basic Study

**Loss of cavin1 and expression of p-caveolin-1 in pulmonary hypertension: Possible role in neointima formation**

Jing Huang, Rajamma Mathew

### Abstract

#### Background

<sup>5</sup> Pulmonary hypertension (PH) is a progressive disease with a high morbidity and mortality rate; and neointima formation leads to the irreversibility of the disease. We have previously reported that in rats, monocrotaline (MCT) injection leads to progressive disruption of endothelial cells (EC), and endothelial <sup>8</sup> caveolin-1 (cav-1) loss, accompanied by the activation of pro-proliferative pathways leading to PH. Four weeks post-MCT, extensive endothelial cav-1 loss is associated with increased cav-1 expression



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### [PDGF receptor blocker for pulmonary hypertension: A new ...](#)

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PDGF receptor blocker for **pulmonary hypertension**: A new agent in therapeutic arsenal ... the **expression** and pathogenic **role** of PDGF in idiopathic PAH. ... of ...

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