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*Basic Study*

Interleukin-19 is cardioprotective in dominant negative cyclic adenosine monophosphate response-element binding protein-mediated heart failure in a sex-specific manner

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#### Abstract

##### AIM

To investigate the role of interleukin-19 (IL-19) in a murine model of female-dominant heart failure (HF).

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The second involves the anti-inflammatory cytokine **Interleukin-19** (IL-19) ... cytokine a strong candidate in **mediating sex-specific** outcomes from cardiac remodeling. ... a phosphorylation-deficient **CREB** mutant in a heart-specific **manner**, suggest that ... **cardioprotective** and can be lethal in males with genetic **heart disease**.

### [Poster Presentations - J Pract Cardiovasc Sci](#)

[www.j-pcs.org/article.asp?issn=2395-5414;year=2016;volume...](#) - [翻译此页](#)

2016年4月8日 - Furthermore, miR-27a showed a significant **negative** correlation with Hmgcr ... (mitochondrial dysfunction) affects cardiac output and may lead to **heart failure**. ..... **Interleukin-1** Receptor Associated Kinase **Mediates** Angiotensin II Induced .... Cardiac **specific** deletion of InsP3R2 is **cardio protective** and not ...

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2011年1月31日 - In **particular**, 25-hydroxycholesterol (25HC) has been implicated in a variety of ... Here, we demonstrate that the estrogen receptor (ER)  $\alpha$  **mediates** gene ... and rat **heart** preparations and to prevent the hypoxia-induced apoptosis. ... vascular dysfunction and injury in an ER-dependent **manner** [8]–[10], ...

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2016年7月21日 - Inflammation, Immunity, and Cardiovascular **Disease** ... American **Heart** Association's Council on Hypertension and the Kidney ..... mice with **interleukin-13** signaling disrupted in hepato- ..... mechanism(s) of **sex-specific** **IL-19 mediated** cardiac re- ..... pressing **dominant negative** cullin3 mutations exhibit in-

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CRH and Ucn3 actions in target cells involve activation of **specific** receptors ... or autocrine **manner**, including secretin, glucagon, vasoactive intestinal peptide, ... by CRH is **mediated** through stimulation of the cAMP/PKA pathway (Reisine et al., ... cAMP **response element-binding proteins** (Shaywitz and Greenberg, 1999).

### [Expression profiling of cardiovascular disease - NCBI - NIH](#)

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1 Aug 2004 - Microarrays have recently been applied to CAD/MI, CHF and CHD to profile ... subsets of genes associated with **specific** diseases and disease processes. ... cAMP **response element binding protein** and nuclear factor (NF)-kappa-B. ... which activates **cyclic adenosine 3',5' monophosphate** signalling, which ...

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**response** in skeletal muscle, making it a likely candidate for **mediating** ... GSK-3 $\beta$  **negatively** regulates **heart** growth, we generated a cardiac-**specific** ... of FOXO may be a key **element** in the development of cardiac hypertrophy and **failure**. ... activation of **cyclic guanosine monophosphate** dependent **protein kinase** (PKG).

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[jpet.aspetjournals.org/content/jpet/349/1/39.full.pdf](http://jpet.aspetjournals.org/content/jpet/349/1/39.full.pdf)by C Neuber - 2014 - Cited by 3 - [Related articles](#)

isoprenaline **responses** after efficient  $\beta_1$ -AR knockdown in EHTs. Our findings ... in gene regulation after **specific**  $\beta_1$ -AR knockdown rather than unspecific ... **cyclic adenosine-3',5'-monophosphate** (cAMP). ... rate and contractility in young mice, but **heart failure** and ... **dominant**



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### Phosphodiesterase-5 Inhibitors: Action on the Signaling Pathways of ...

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作者: CA Peixoto - 2015 - 被引用次数: 12 - 相关文章

2015年12月3日 - Inhibition of **specific** PDE5s (PDE5-Is) and accumulation of cGMP may inhibit .... Ammonia triggers inflammatory **responses** in microglia and the brain .... and **cyclic guanosine monophosphate** (cGMP) exert many physiological roles ... through the cAMP-responsive **element binding protein** (CREB) [142], the ...

### Expression profiling of cardiovascular disease - NCBI - NIH

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作者: S Archacki - 2004 - 被引用次数: 31 - 相关文章

2004年8月1日 - Microarrays have recently been applied to CAD/MI, **CHF** and CHD to profile ... subsets of genes associated with **specific** diseases and disease processes. .... cAMP **response element binding protein** and nuclear factor (NF)-kappa-B. ... which activates **cyclic adenosine 3',5' monophosphate** signalling, which ...

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[www.hmdb.ca/metabolites/HMDB000058](http://www.hmdb.ca/metabolites/HMDB000058) - 翻译此页2005年11月16日 - Description, **Cyclic AMP** is an adenine nucleotide containing one ... by the hormones