

## Match Overview

1

**Internet** 151 words  
crawled on 07-Jul-2019  
[bpspubs.onlinelibrary.wiley.com](https://bpspubs.onlinelibrary.wiley.com)

5%

2

**Internet** 19 words  
crawled on 19-Jan-2020  
[www.mdpi.com](https://www.mdpi.com)

1%

**Name of Journal:** *World Journal of Cardiology*

**Manuscript NO:** 53295

**Manuscript Type:** ORIGINAL ARTICLE

*Basic Study*

**Nicotine-induced adrenal beta-arrestin1 upregulation mediates tobacco-related hyperaldosteronism leading to cardiac dysfunction**

Cora N *et al.* Tobacco-related hyperaldosteronism and adrenal beta-arrestin1

Natalie Cora, Jennifer Ghandour, Celina Marie Pollard, Victoria Lynn Desimine, Krysten

Elisabeth, Elisabeth, Jennifer Ghandour, Celina Marie Pollard, Victoria Lynn Desimine, Krysten



国内版

国际版

Nicotine-induced adrenal beta-arrestin1 upregulation mediate



ALL

IMAGES

VIDEOS

关闭取词

2,860 Results

Any time ▾

## Adrenal $\beta$ arrestin1 targeting for tobacco-associated ...

<https://bpspubs.onlinelibrary.wiley.com/doi/full/10.1002/prp2.497>

The effect of nicotine/cotinine on RAAS components and on downstream signaling of AngII in adrenocortical cells **leading** to **aldosterone** production. The elevated RAAS activity and the putative **upregulation** of **adrenal**  $\beta$ arrestin1 ( $\beta$ arr1) by the tobacco compounds nicotine/cotinine are ...

**Author:** Maria E Solesio, Erna Mitaishvili, Ana... **Publish Year:** 2019

## Adrenal Beta-Arrestin 1 Inhibition In Vivo Attenuates Post ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3087631>

Jan 18, 2011 · Additionally, the direct effects of **aldosterone** on **cardiac** tissue are bound to have played the most important role in the observed **cardiac** phenotype of the post-MI animals, given the relatively small time period (only 7 days) between genetic manipulation of **adrenal**  $\beta$ arr1 levels that raises **aldosterone** levels (i.e., gene delivery) and the day ...

**Cited by:** 74 **Author:** Anastasios Lymperopoulos, Anastasios L...

**Publish Year:** 2011

## Adrenal Beta-Arrestin 1 Inhibition In Vivo Attenuates Post ...

<https://www.sciencedirect.com/science/article/pii/S073510971004461X>

Jan 18, 2011 · For this very same reason, **adrenal**  $\beta$ arr1 emerges as a much superior target for post-MI **cardiac** remodeling and HF treatment than MR inhibition (e.g., with eplerenone) or **aldosterone** synthase inhibition, given that the latter strategies cannot counter all the adverse effects of all **adrenal** steroids after MI, as suppression of all **adrenal** steroid ...

**Cited by:** 74 **Author:** Anastasios Lymperopoulos, Anastasios L...

**Publish Year:** 2011



Nicotine-induced adrenal beta-arrestin1 upregulation m



ALL

IMAGES

VIDEOS

1,590 Results

Any time ▼

## Adrenal $\beta$ arrestin1 targeting for tobacco-associated ...

<https://bpspubs.onlinelibrary.wiley.com/doi/full/10.1002/prp2.497>

Since **adrenal  $\beta$ arrestin1** is essential for raising circulating **aldosterone** in the body and **tobacco** compounds are also known to elevate **aldosterone** levels in smokers, accelerating heart disease progression, our central hypothesis is that **nicotine** and cotinine **increase aldosterone** levels to **induce cardiac injury** by stimulating **adrenal  $\beta$ arrestin1**.

**Author:** Maria E Solesio, Erna Mitaishvili, Ana...

**Publish Year:** 2019

## Adrenal Beta-Arrestin 1 Inhibition In Vivo Attenuates Post ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3087631>

Jan 18, 2011 · Death due to chronic **heart** failure (HF) continues to rise, despite recent advances in prevention and management of **heart** disease, and new treatments are needed (1,2).**Aldosterone** is 1 of a number of hormones with detrimental effects to the myocardium, where circulating levels are elevated in chronic HF ().It can contribute significantly to HF progression after myocardial infarction (MI) and to ...

**Cited by:** 73

**Author:** Anastasios Lymperopoulos, Anastasios L...

**Publish Year:** 2011





ALL

IMAGES

VIDEOS

MAPS

NEWS

SHOPPING

1,590 Results

Any time ▾

## Adrenal $\beta$ arrestin1 targeting for tobacco-associated ...

<https://bpspubs.onlinelibrary.wiley.com/doi/10.1002/prp2.497>

Jun 18, 2019 · **Aldosterone** is one of a number of hormones with detrimental functions for the failing **heart**, whose circulating levels are elevated in chronic **heart** failure (CHF), contributing significantly to its morbidity and mortality. 1-4 **Aldosterone**'s detrimental actions on the **heart** include (but are not limited to) **cardiac** hypertrophy, fibrosis, and ...

**Author:** Maria E Solesio, Erna Mitaishvili, Ana... **Publish Year:** 2019

## Adrenal Beta-Arrestin 1 Inhibition In Vivo Attenuates Post ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3087631>

Jan 18, 2011 · Death due to chronic **heart** failure (HF) continues to rise, despite recent advances in prevention and management of **heart** disease, and new treatments are needed (1,2). **Aldosterone** is 1 of a number of hormones with detrimental effects to the myocardium, where circulating levels are elevated in chronic HF (). It can contribute significantly to HF progression after myocardial infarction (MI) and to ...

**Cited by:** 73 **Author:** Anastasios Lymperopoulos, Anastasios L...

**Publish Year:** 2011

## Adrenal Beta-Arrestin 1 Inhibition In Vivo Attenuates Post ...

<https://www.sciencedirect.com/science/article/pii/S073510971004461X>

Importantly, these **adrenal**  $\beta$ arr1-induced **cardiac** alterations are **aldosterone**-mediated (i.e., due to the elevated **aldosterone** levels caused by **adrenal**  $\beta$ arr1 overexpression in vivo), because EF reduction and LVEDD increase are prevented (i.e., are similar to control AdGFP-treated rats) by treatment of post-MI Ad $\beta$ arr1 rats with the **aldosterone** ...

**Cited by:** 73 **Author:** Anastasios Lymperopoulos, Anastasios L...

**Publish Year:** 2011

## GPCR signaling via $\beta$ -arrestin-dependent mechanisms

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5591062>

Inhibition of **adrenal**  $\beta$ -arrestin1 is cardioprotective because it decreases circulating **aldosterone** levels