



Corrigendum: Tracing the Origins of the Pituitary Adenylate-Cyclase Activating Polypeptide (PACAP)

João C. R. Cardoso*, Manuel G. Garcia and Deborah M. Power*

Comparative Molecular and Integrative Biology, Centre of Marine Sciences, University of Algarve, Faro, Portugal

Keywords: deuterostomes, early metazoan, evolution, protostomes, neuropeptide, receptor

OPEN ACCESS

Approved by:
Frontiers Editorial Office,
Frontiers Media SA, Switzerland

***Correspondence:**
João C. R. Cardoso
jccardo@ualg.pt
Deborah M. Power
dpower@ualg.pt

Specialty section:
This article was submitted to
Neuroendocrine Science,
a section of the journal
Frontiers in Neuroscience

Received: 06 July 2020
Accepted: 07 July 2020
Published: 18 August 2020

Citation:
Cardoso JCR, Garcia MG and
Power DM (2020) Corrigendum:
Tracing the Origins of the Pituitary
Adenylate-Cyclase Activating
Polypeptide (PACAP).
Front. Neurosci. 14:801.
doi: 10.3389/fnins.2020.00801

A Corrigendum on

Tracing the Origins of the Pituitary Adenylate-Cyclase Activating Polypeptide (PACAP)

by Cardoso, J. C. R., Garcia, M. G., and Power, D. M. (2020). *Front. Neurosci.* 14:366. doi: 10.3389/fnins.2020.00366

In the original article, there was a mistake in the legend for **Table 1** as published. The table describes nomenclature for both vertebrates and non-vertebrates.

In the original article, there was a mistake in **Table 1** as published. PACAP receptor nomenclature for teleost and Actinopterygii (non-teleost) has errors. The Agnathan PACAP Receptor Gene/transcript should not be *Adcyap1r1*. During production, PACAP peptide column was erroneously positioned under the PACAP receptor. The corrected **Table 1** and legend appears below.

The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

Copyright © 2020 Cardoso, Garcia and Power. This is an open-access article distributed under the terms of the Creative Commons Attribution License (CC BY). The use, distribution or reproduction in other forums is permitted, provided the original author(s) and the copyright owner(s) are credited and that the original publication in this journal is cited, in accordance with accepted academic practice. No use, distribution or reproduction is permitted which does not comply with these terms.

TABLE 1 | Nomenclature for PACAP and its receptors.

PACAP Gene/transcripts	Peptide	PACAP Receptor	
		Gene/transcripts	Protein
Primate			
<i>ADCYAP1</i>	PACAP	<i>ADCYAP1R1</i>	PAC ₁
		<i>VIPR1</i>	VPAC ₁
		<i>VIPR2</i>	VPAC ₂
Mammalian (non-primate)			
<i>Adcyap1</i>	PACAP	<i>Adcyap1R1</i>	PAC ₁
		<i>Vipr1</i>	VPAC ₁
		<i>Vipr2</i>	VPAC ₂
Aves			
<i>ADCYAP1</i>	PACAP	<i>ADCYAP1R1</i>	PAC ₁
		<i>VIPR1</i>	VPAC ₁
		<i>VIPR2</i>	VPAC ₂
Actinopterygii (non-teleost)			
<i>adcyap1</i>	Pacap	<i>adcyap1r1</i>	Pac ₁
		<i>vipr1</i>	Vpac ₁
		<i>vipr2</i>	Vpac ₂
Teleost			
<i>adcyap1a</i>	Pacapa	<i>adcyap1r1a</i>	Pac _{1a}
<i>adcyap1b</i>	Pacapb	<i>adcyap1r1b</i>	Pac _{1b}
		<i>vipr1a</i>	Vpac _{1a}
		<i>vipr1b</i>	Vpac _{1b}
		<i>vipr2a</i>	Vpac _{2a}
		<i>vipr2b</i>	Vpac _{2b}
Agnathan			
<i>ADCYAP1</i>	PACAP	<i>VIPR</i>	VPAC
Urochordate			
<i>pacap1/pacap2</i>	PACAP	ni	ni
Cephalochordate			
<i>PACAP/GCG</i>	PACAP/GCG	<i>PACAP/GCGR</i>	PACAP/GCGR
Protostomes			
ni	PACAP	ni	ni
Cnidaria			
ni	PACAP	ni	ni