

# Accepted Manuscript

Melanin-concentrating hormone and orexin systems in *nucleus incertus*: Dual innervation, bidirectional effects on neuron activity, and differential influences on arousal and feeding

Azadeh Sabetghadam, Agnieszka Grabowiecka-Nowak, Alan Kania, Anna Gugula, Ewa Blasiak, Tomasz Blasiak, Sherie Ma, Andrew L. Gundlach, Anna Blasiak

PII: S0028-3908(18)30359-9

DOI: [10.1016/j.neuropharm.2018.07.004](https://doi.org/10.1016/j.neuropharm.2018.07.004)

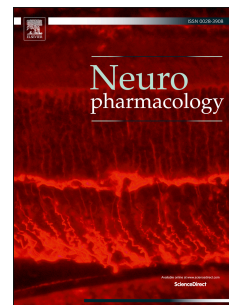
Reference: NP 7254

To appear in: *Neuropharmacology*

Received Date: 14 February 2018

Revised Date: 20 June 2018

Accepted Date: 4 July 2018



Please cite this article as: Sabetghadam, A., Grabowiecka-Nowak, A., Kania, A., Gugula, A., Blasiak, E., Blasiak, T., Ma, S., Gundlach, A.L., Blasiak, A., Melanin-concentrating hormone and orexin systems in *nucleus incertus*: Dual innervation, bidirectional effects on neuron activity, and differential influences on arousal and feeding, *Neuropharmacology* (2018), doi: 10.1016/j.neuropharm.2018.07.004.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Research Paper

**Melanin-concentrating hormone and orexin systems in *nucleus incertus*:  
dual innervation, bidirectional effects on neuron activity, and differential  
influences on arousal and feeding**

Azadeh Sabetghadam<sup>1,2\*†</sup>, Agnieszka Grabowiecka-Nowak<sup>3\*</sup>, Alan Kania<sup>3</sup>, Anna Gugula<sup>3</sup>,  
Ewa Blasiak<sup>4</sup>, Tomasz Blasiak<sup>3</sup>, Sherie Ma<sup>1,2,§\*\*</sup>, Andrew L. Gundlach<sup>1,2\*\*</sup>, Anna Blasiak<sup>3\*\*</sup>

<sup>1</sup>The Florey Institute of Neuroscience and Mental Health, Parkville, Victoria, Australia

<sup>2</sup>Florey Department of Neuroscience and Mental Health, The University of Melbourne,  
Victoria, Australia

<sup>3</sup>Department of Neurophysiology and Chronobiology, Jagiellonian University, Krakow,  
Poland

<sup>4</sup>Department of Physical Biochemistry, Jagiellonian University, Krakow, Poland

† Current Address: Division of Neuroscience, Toronto Western Hospital, Toronto, Ontario,  
Canada

§ Current Address: Drug Discovery Biology, Monash Institute of Pharmaceutical Sciences,  
Monash University, Parkville, Victoria, Australia

\* Co-first authors, AS and AG-N contributed equally to this research

\*\* Co-senior authors, SM, ALG and AB jointly supervised this research

**Corresponding authors**

Prof Andrew L. Gundlach (email: [andrew.gundlach@florey.edu.au](mailto:andrew.gundlach@florey.edu.au))

Dr Anna Blasiak (email: [anna.blasiak@uj.edu.pl](mailto:anna.blasiak@uj.edu.pl))

Title: 180 characters

Abstract: 250 words

Total words in document: 15675

Figures: 9, plus six (6) supplementary figures and one (1) supplementary table

Download English Version:

<https://daneshyari.com/en/article/8516364>

Download Persian Version:

<https://daneshyari.com/article/8516364>

[Daneshyari.com](https://daneshyari.com)