

## Accepted Manuscript

Title: Melatonin administration reverses the alteration of amyloid precursor protein-cleaving secretases expression in aged mouse hippocampus

Author: Sujira Mukda Jiraporn Panmanee Parichart Boontem  
Piyarat Govitrapong



PII: S0304-3940(16)30218-X  
DOI: <http://dx.doi.org/doi:10.1016/j.neulet.2016.04.013>  
Reference: NSL 31963

To appear in: *Neuroscience Letters*

Received date: 29-2-2016  
Revised date: 4-4-2016  
Accepted date: 7-4-2016

Please cite this article as: Sujira Mukda, Jiraporn Panmanee, Parichart Boontem, Piyarat Govitrapong, Melatonin administration reverses the alteration of amyloid precursor protein-cleaving secretases expression in aged mouse hippocampus, *Neuroscience Letters* <http://dx.doi.org/10.1016/j.neulet.2016.04.013>

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.

**Melatonin administration reverses the alteration of amyloid precursor protein-cleaving secretases expression in aged mouse hippocampus**

Sujira Mukda<sup>a,1</sup>, Jiraporn Panmanee<sup>a,1</sup>, Parichart Boontem<sup>a</sup>, and Piyarat Govitrapong<sup>a, b,\*</sup>

<sup>a</sup>Research Center for Neuroscience, Institute of Molecular Biosciences, Mahidol University, Salaya, Nakhon Pathom 73170 Thailand; <sup>b</sup>Center for Neuroscience and Department of Pharmacology, Faculty of Science, Mahidol University, Bangkok 10400, Thailand.

1= equal contribution

\*Corresponding author: Piyarat Govitrapong

Research Center for Neuroscience, Institute of Molecular Biosciences Mahidol University, Salaya, Nakornpathom 73170 Thailand

**Running title: Melatonin attenuates age-dependent changes in  $\beta$ APP-cleaving enzymes**

**Keywords:** Aging, melatonin, Alzheimer's disease, secretases, beta-amyloid, hippocampus

Download English Version:

<https://daneshyari.com/en/article/6279528>

Download Persian Version:

<https://daneshyari.com/article/6279528>

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