

Accepted Manuscript

Age-related changes in large-conductance calcium-activated potassium channels in mammalian circadian clock neurons

Sahar Farajnia, Johanna H. Meijer, Stephan Michel



PII: S0197-4580(15)00053-6

DOI: [10.1016/j.neurobiolaging.2014.12.040](https://doi.org/10.1016/j.neurobiolaging.2014.12.040)

Reference: NBA 9200

To appear in: *Neurobiology of Aging*

Received Date: 28 October 2014

Revised Date: 9 December 2014

Accepted Date: 9 December 2014

Please cite this article as: Farajnia, S., Meijer, J.H., Michel, S., Age-related changes in large-conductance calcium-activated potassium channels in mammalian circadian clock neurons, *Neurobiology of Aging* (2015), doi: [10.1016/j.neurobiolaging.2014.12.040](https://doi.org/10.1016/j.neurobiolaging.2014.12.040).

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.

Age-related changes in large-conductance calcium-activated potassium channels in mammalian circadian clock neurons.

Sahar Farajnia, Johanna H. Meijer and Stephan Michel

Department of Molecular Cell Biology, Laboratory of Neurophysiology, Leiden University Medical Center, 2300 RC Leiden, The Netherlands

s.farajnia@lumc.nl, j.h.meijer@lumc.nl, s.michel@lumc.nl

Corresponding author:

Stephan Michel, Tel: + 31 71-5269772, Fax: +31 71-5268270, Email: s.michel@lumc.nl

Abbreviations¹

action potential : AP
afterhyperpolarization : AHP
fast delayed rectifier potassium current : FDR
iberiotoxin : IbTX
intracellular calcium concentration : $[Ca^{2+}]_i$
large conductance calcium activated potassium currents : BK
resting membrane potentials : RMP
suprachiasmatic nucleus : SCN
transient A-type potassium current : I_A

Download English Version:

<https://daneshyari.com/en/article/6804280>

Download Persian Version:

<https://daneshyari.com/article/6804280>

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