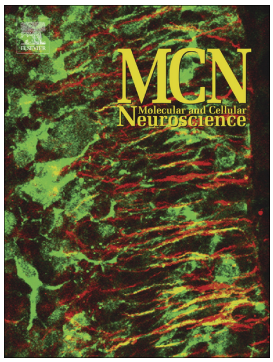
Accepted Manuscript



Calcium-activated SK potassium channels are key modulators of the pacemaker frequency in locus coeruleus neurons

Lina A. Matschke, Susanne Rinné, Terrance P. Snutch, Wolfgang H. Oertel, Amalia M. Dolga, Niels Decher

PII: S1044-7431(17)30382-2
DOI: doi:10.1016/j.mcn.2018.03.002
Reference: YMCNE 3289

To appear in: *Molecular and Cellular Neuroscience*

Received date: 6 December 2017
Revised date: 5 March 2018
Accepted date: 7 March 2018

Please cite this article as: Lina A. Matschke, Susanne Rinné, Terrance P. Snutch, Wolfgang H. Oertel, Amalia M. Dolga, Niels Decher , Calcium-activated SK potassium channels are key modulators of the pacemaker frequency in locus coeruleus neurons. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Ymcne(2017), doi:10.1016/j.mcn.2018.03.002

Calcium-activated SK potassium channels are key modulators of the pacemaker frequency in locus coeruleus neurons

Lina A. Matschke [a,b,*], Susanne Rinné [a], Terrance P. Snutch [c], Wolfgang H. Oertel [b,e], Amalia M. Dolga [d] and Niels Decher [a,*]

[a] *Institute for Physiology and Pathophysiology, Vegetative Physiology and Marburg Center for Mind, Brain and Behavior - MCMBB, Philipps-University Marburg, 35037 Marburg, Germany*

[b] *Clinic for Neurology, Philipps-University Marburg, 35037 Marburg, Germany*

[c] *Michael Smith Laboratories and Djavad Mowafaghian Centre for Brain Health, University of British Columbia, BC V6T 1Z4 Vancouver, Canada*

[d] *Faculty of Science and Engineering, Groningen Research Institute of Pharmacy, Department of Molecular Pharmacology, University of Groningen, 9713 AV Groningen, The Netherlands*

[e] *Hertie Senior Research Professor of the Charitable Hertie Foundation, Frankfurt/Main, Germany*

Running head: SK channels regulate pacemaking in LC neurons.

*****Corresponding authors:

Dr. Lina Matschke,
Institut für Physiologie, Vegetative Physiologie
Philipps-Universität Marburg,
Deutschhausstraße 1-2
35037 Marburg, Germany
E-Mail: lina.matschke@staff.uni-marburg.de
T: + 49-6421-28-24815
F: + 49-6421-28-66659

Prof. Dr. Niels Decher
Institut für Physiologie, Vegetative Physiologie,
Philipps-Universität Marburg,
Deutschhausstraße 1-2
35037 Marburg, Germany
E-Mail: decher@staff.uni-marburg.de
T: + 49-6421-28-62148
F: + 49-6421-28-66659