

Accepted Manuscript

Potential roles of cholinergic modulation in the neural coding of location and movement speed

Holger Dannenberg, James R. Hinman, Michael E. Hasselmo

PII: S0928-4257(16)30005-5

DOI: <http://dx.doi.org/10.1016/j.jphysparis.2016.09.002>

Reference: PHYSIO 633

To appear in: *Journal of Physiology - Paris*

Received Date: 15 May 2016

Revised Date: 6 September 2016

Accepted Date: 23 September 2016

Please cite this article as: Dannenberg, H., Hinman, J.R., Hasselmo, M.E., Potential roles of cholinergic modulation in the neural coding of location and movement speed, *Journal of Physiology - Paris* (2016), doi: <http://dx.doi.org/10.1016/j.jphysparis.2016.09.002>

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.



Potential roles of cholinergic modulation in the neural coding of location and movement speed

Holger Dannenberg, James R. Hinman, Michael E. Hasselmo

*Center for Systems Neuroscience, Department of Psychological and Brain Sciences,
Center for Memory and Brain, Graduate Program for Neuroscience, Boston University,
2 Cummington Mall, Boston, Massachusetts, 02215, U.S.A.*

Author e-mails: hdannenb@bu.edu, hinman@bu.edu, Hasselmo@bu.edu

Corresponding author: Dr. Holger Dannenberg, Boston University, 2 Cummington Mall, Boston, MA, USA, 02215. 617-353-1397, 617-358-3296, hdannenb@bu.edu

Acknowledgements: This work was supported by National Institute of Mental Health R01 MH061492, R01 MH060013, NSF EAGER PHY 1444389 and the Office of Naval Research MURI grant N00014-10-1-0936.

Keywords: medial septum, basal forebrain, theta rhythm, entorhinal cortex, spatial navigation, grid cells, place cells.

Download English Version:

<https://daneshyari.com/en/article/5593284>

Download Persian Version:

<https://daneshyari.com/article/5593284>

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