Accepted Manuscript

Research report

Functional perturbation of forebrain principal neurons reveals differential effects in novel and well-learned tasks

Emily T. Stoneham, Daniel G. McHail, Katelyn N. Boggs, Sarah H. Albani, Jason A. Carty, Rebekah C. Evans, Kelly A. Hamilton, Victoria M. Saadat, Samanza Hussain, Maggie E. Greer, Theodore C. Dumas

PII: S0006-8993(17)30272-X

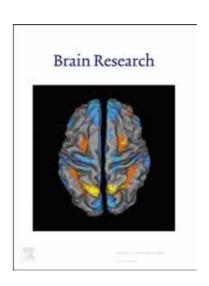
DOI: http://dx.doi.org/10.1016/j.brainres.2017.06.024

Reference: BRES 45406

To appear in: Brain Research

Received Date: 30 November 2016

Revised Date: 20 June 2017 Accepted Date: 23 June 2017



Please cite this article as: E.T. Stoneham, D.G. McHail, K.N. Boggs, S.H. Albani, J.A. Carty, R.C. Evans, K.A. Hamilton, V.M. Saadat, S. Hussain, M.E. Greer, T.C. Dumas, Functional perturbation of forebrain principal neurons reveals differential effects in novel and well-learned tasks, *Brain Research* (2017), doi: http://dx.doi.org/10.1016/j.brainres.2017.06.024

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.

ACCEPTED MANUSCRIPT

Functional perturbation of forebrain principal neurons reveals differential effects in novel and well-learned tasks

Emily T. Stoneham, Daniel G. McHail, Katelyn N. Boggs, Sarah H. Albani, Jason A. Carty, Rebekah C. Evans, Kelly A. Hamilton, Victoria M. Saadat, Samanza Hussain, Maggie E. Greer, Theodore C. Dumas

Department of Molecular Neuroscience, George Mason University, Fairfax, VA, USA

Corresponding author

Theodore C. Dumas, Ph.D. Associate Professor Department of Psychology George Mason University 4400 University Drive, Mail Stop 2A1 Fairfax, VA 22030, USA Email: tdumas@gmu.edu

Keywords

Allatostatin receptor, GIRK, hippocampus, pyramidal neuron, spatial learning and memory

Acknowledgements

This research was supported by the Office of Naval Research (ONR#000141010198) and the National Institutes of Health (1R15AG045820-01A1). The authors wish to thank Himika Rahman, Nazanin Valibeigi, Hannah Elwell, Chloe Siebach, Annabel Lee Raboy, Stefanie Howell, Arya Loghmani, and Vanya Vojvodic and for their technical assistance.

Disclosure

There are no conflicts of interest for any authors of this study.

Manuscript information

Abstract: 288 words

Main Text (excluding abstract, methods, reference and figure legends): 3524 words

Display items: 6 figures Methods: 1727 words

Download English Version:

https://daneshyari.com/en/article/5736713

Download Persian Version:

https://daneshyari.com/article/5736713

<u>Daneshyari.com</u>