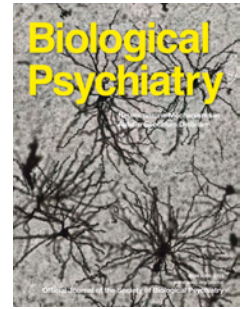


Accepted Manuscript



The cortico-striatal adenosine A_{2A} receptor controls maintenance and retrieval of spatial working memory

Zhihui Li, Xingjun Chen, Tao Wang, Ying Gao, Fei Li, Long Chen, Jin Xue, Yan He, Yan Li, Wei Guo, Wu Zheng, Liping Zhang, Fenfen Ye, Xiangpeng Ren, Yue Feng, Piu Chan, Jiang-Fan Chen

PII: S0006-3223(17)31817-6

DOI: [10.1016/j.biopsych.2017.07.017](https://doi.org/10.1016/j.biopsych.2017.07.017)

Reference: BPS 13280

To appear in: *Biological Psychiatry*

Received Date: 24 November 2016

Revised Date: 11 July 2017

Accepted Date: 13 July 2017

Please cite this article as: Li Z., Chen X., Wang T., Gao Y., Li F., Chen L., Xue J., He Y., Li Y., Guo W., Zheng W., Zhang L., Ye F., Ren X., Feng Y., Chan P. & Chen J.-F., The cortico-striatal adenosine A_{2A} receptor controls maintenance and retrieval of spatial working memory, *Biological Psychiatry* (2017), doi: 10.1016/j.biopsych.2017.07.017.

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.

The cortico-striatal adenosine A_{2A} receptor controls maintenance and retrieval of spatial working memory

Short title: Cortico-striatal A_{2A} receptor control of SWM

Zhihui Li^{1*}, Xingjun Chen^{1*}, Tao Wang³, Ying Gao¹, Fei Li¹, Long Chen¹, Jin Xue¹, Yan He¹,
Yan Li¹, Wei Guo¹, Wu Zheng¹, Liping Zhang¹, Fenfen Ye¹, Xiangpeng Ren¹, Yue Feng^{3,4},
Piu Chan^{3,4}, Jiang-Fan Chen^{1,2*}

¹The Molecular Pharmacology Lab, School of Optometry and Ophthalmology, Wenzhou Medical University, 270 Xueyuan Road, Wenzhou, Zhejiang, China, 325027

²Department of Neurology, Boston University, School of Medicine, Boston, Massachusetts, United States of America

3. Wincon TheraCells, Biotechnologies Co., LTD, 3 Gaoxin 3 Rd, Nanning 530003, Guangxi, China

4. Department of Neurobiology, Beijing Institute of Geriatrics, Xuanwu Hospital of Capital Medical University, Beijing 100053, China

* These authors contributed to this work equally.

Corresponding Authors: Jiang-Fan Chen (chenjf555@gmail.com) Phone: 86-15382563738

Address: 270 Xueyuan Road, Wenzhou, Zhejiang, China, 325027

Keywords: adenosine A_{2A} receptor; optoA_{2A}R; spatial working memory; striatum; prefrontal cortex; Parkinson's disease

Abstract: 249 words

Article body: 4000 words

Figures: 6

Tables: 0

Supplemental information: 1

Download English Version:

<https://daneshyari.com/en/article/8814213>

Download Persian Version:

<https://daneshyari.com/article/8814213>

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