

# Accepted Manuscript

## Research report

Metabolic effects of light deprivation in the prefrontal cortex of rats with depression-like behavior: *In vivo* proton magnetic resonance spectroscopy at 7T

Chi-Hyeon Yoo, Kyu-Ho Song, Song-I Lim, Dong-Cheol Woo, Bo-Young Choe

PII: S0006-8993(18)30117-3

DOI: <https://doi.org/10.1016/j.brainres.2018.02.047>

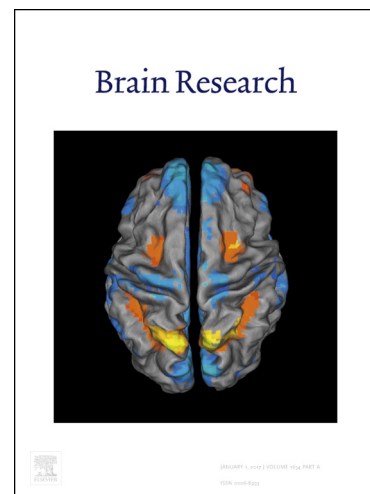
Reference: BRES 45701

To appear in: *Brain Research*

Received Date: 26 October 2017

Revised Date: 26 February 2018

Accepted Date: 28 February 2018



Please cite this article as: C-H. Yoo, K-H. Song, S-I. Lim, D-C. Woo, B-Y. Choe, Metabolic effects of light deprivation in the prefrontal cortex of rats with depression-like behavior: *In vivo* proton magnetic resonance spectroscopy at 7T, *Brain Research* (2018), doi: <https://doi.org/10.1016/j.brainres.2018.02.047>

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.

# Metabolic effects of light deprivation in the prefrontal cortex of rats with depression-like behavior: *In vivo* proton magnetic resonance spectroscopy at 7T

Chi-Hyeon Yoo<sup>a,b</sup>, Kyu-Ho Song<sup>a</sup>, Song-I Lim<sup>a,b</sup>,  
Dong-Cheol Woo<sup>b</sup>, and Bo-Young Choe<sup>a\*</sup>

<sup>a</sup>*Department of Biomedical Engineering, Research Institute of Biomedical Engineering, College of Medicine, The Catholic University of Korea, Seoul 137-701, Korea*

<sup>b</sup>*Asan Institute for Life Sciences, Asan Medical Center, Seoul, Korea*

\*Correspondence to: Bo-Young Choe, Ph.D., Department of Biomedical Engineering, College of Medicine, The Catholic University of Korea, #222 Banpo-Daero Seocho-Gu, Seoul, 06591, Republic of Korea  
Phone: 82-2-2258-7233, Fax: 82-2- 2258-7760, E-mail: [bychoe@catholic.ac.kr](mailto:bychoe@catholic.ac.kr)

Type of article: Research reports

Word counts: 6,855

Download English Version:

<https://daneshyari.com/en/article/8839838>

Download Persian Version:

<https://daneshyari.com/article/8839838>

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