Title: Real-time changes in hippocampal energy demands during a spatial working memory task

Author: John Kealy Rachel Bennett Barbara Woods John P. Lowry

PII: S0166-4328(16)31143-3
DOI: http://dx.doi.org/doi:10.1016/j.bbr.2017.02.034
Reference: BBR 10728

To appear in: *Behavioural Brain Research*

Received date: 15-12-2016
Revised date: 18-2-2017
Accepted date: 21-2-2017

Please cite this article as: Kealy J, Bennett R, Woods B, Lowry JP, Real-time changes in hippocampal energy demands during a spatial working memory task, *Behavioural Brain Research* (2017), http://dx.doi.org/10.1016/j.bbr.2017.02.034

Real-time changes in hippocampal energy demands during a spatial working memory task.

John Kealy[1,2]*, Rachel Bennett[1], Barbara Woods[1], John P. Lowry[1].

[1]Maynooth University Department of Chemistry, Maynooth University, Maynooth, Co. Kildare, Ireland.

[2]Smurfit Institute of Genetics, Trinity College Dublin, Dublin 2, Ireland.

*Corresponding author: kealyjo@tcd.ie; Telephone: +353 1 896 2486; Fax: +353 1 679 8558.

Key words:

Sensor; Biosensor; Hippocampus; Spatial memory; Glucose; Oxygen.

Article Information:

Abstract – 220 words

Main text – 6,021 words

Figures – 3

Supplementary Figures – 0

Tables - 0