Corrigendum: Variability of the coupling of blood flow and oxygen metabolism responses in the brain: a problem for interpreting BOLD studies but potentially a new window on the underlying neural activity

Richard B. Buxton¹*, Valerie E. M. Griffeth¹, Aaron B. Simon¹, Farshad Moradi¹ and Amir Shmuel²

- Department of Radiology, Center for Functional MRI, University of California, San Diego, La Jolla, CA, USA
- ² Departments of Neurology and Neurosurgery, Physiology and Biomedical Engineering, Montreal Neurological Institute Brain Imaging Centre, McGill University, Montreal OC, Canada
- *Correspondence: rbuxton@ucsd.edu

Edited and reviewed by:

Clare Howarth, The University of Sheffield, UK

Keywords: fMRI, BOLD, cerebral blood flow, cerebral metabolic rate of oxygen, inhibition

A corrigendum on

Variability of the coupling of blood flow and oxygen metabolism responses in the brain: a problem for interpreting BOLD studies but potentially a new window on the underlying neural activity

by Buxton, R. B., Griffeth, V. E. M., Simon, A. B., and Moradi, F. (2014). Front. Neurosci. 8:139. doi: 10.3389/fnins. 2014.00139

Through an oversight the author list of the published version of this paper failed to reflect the important contributions of Amir Shmuel. For all aspects of scientific attribution he should be considered to be the final author on the paper, so that the appropriate author list is: Richard B. Buxton, Valerie E. M. Griffeth, Aaron B. Simon, Farshad Moradi, and Amir Shmuel.

AUTHOR CONTRIBUTIONS

Richard B. Buxton and Amir Shmuel conceptualized the hypothesis that CBF and CMRO₂ may be driven differentially by excitatory and inhibitory activity and formulated experiments to test the idea. Valerie E. M. Griffeth, Aaron B. Simon, and Farshad Moradi conducted experiments and contributed ideas on how their results could be interpreted within the hypothesis. Richard B. Buxton wrote the manuscript, and all authors contributed to editing the final version.

Conflict of Interest Statement: The authors declare that the research was conducted in the absence of any commercial or financial relationships that could be construed as a potential conflict of interest

Received: 10 July 2014; accepted: 22 July 2014; published online: 23 September 2014.

Citation: Buxton RB, Griffeth VEM, Simon AB, Moradi F and Shmuel A (2014) Corrigendum: Variability of the coupling of blood flow and oxygen metabolism responses in the brain: a problem for interpreting BOLD studies but potentially a new window on the underlying neural activity. Front. Neurosci. 8:241. doi: 10.3389/fnins. 2014.00241

This article was submitted to Brain Imaging Methods, a section of the journal Frontiers in Neuroscience.

Copyright © 2014 Buxton, Griffeth, Simon, Moradi and Shmuel. This is an open-access article distributed under the terms of the Creative Commons Attribution License (CC BY). The use, distribution or reproduction in other forums is permitted, provided the original author(s) or licensor are credited and that the original publication in this journal is cited, in accordance with accepted academic practice. No use, distribution or reproduction is permitted which does not comply with these terms.