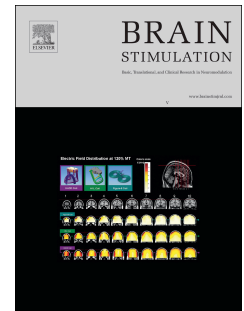


Accepted Manuscript

TMS of primary motor cortex with a biphasic pulse activates two independent sets of excitable neurones

Martin Sommer, Matteo Ciocca, Raffaella Chieffo, Paul Hammond, Andreas Neef, Walter Paulus, John C. Rothwell, Ricci Hannah



PII: S1935-861X(18)30001-9

DOI: [10.1016/j.brs.2018.01.001](https://doi.org/10.1016/j.brs.2018.01.001)

Reference: BRS 1175

To appear in: *Brain Stimulation*

Received Date: 31 August 2017

Revised Date: 31 December 2017

Accepted Date: 2 January 2018

Please cite this article as: Sommer M, Ciocca M, Chieffo R, Hammond P, Neef A, Paulus W, Rothwell JC, Hannah R, TMS of primary motor cortex with a biphasic pulse activates two independent sets of excitable neurones, *Brain Stimulation* (2018), doi: 10.1016/j.brs.2018.01.001.

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.

TMS of primary motor cortex with a biphasic pulse activates two independent sets of excitable neurones

*Martin Sommer^{1,2}, Matteo Ciocca², Raffaella Chieffo^{2,3}, Paul Hammond²,
Andreas Neef⁴, Walter Paulus¹, John C. Rothwell², Ricci Hannah²*

¹Department of Clinical Neurophysiology, University of Göttingen, Robert-Koch-Str. 40, 37075 Göttingen, Germany; ²Sobell Department of Motor Neuroscience and Movement Disorders, UCL Institute of Neurology, Queen Square, London WC1N 3BG, United Kingdom; ³Scientific Institute Vita-Salute University San Raffaele; Neurological Department; Experimental Neurophysiology Unit, INSPE – Institute of Experimental Neurology; Milan, Italy; ⁴Bernstein Focus Neurotechnology Göttingen, Germany.

Please send all correspondence to R. Hannah,
UCL Institute of Neurology, Queen Square, London WC1N 3BG, UK
Email: r.hannah@ucl.ac.uk

Keywords: Transcranial magnetic stimulation, pulse shape, monophasic, biphasic, motor cortex.

Download English Version:

<https://daneshyari.com/en/article/8681412>

Download Persian Version:

<https://daneshyari.com/article/8681412>

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