

# Neurophotonics

Neurophotonics.SPIEDigitalLibrary.org

## **Errata: Transcranial low-level laser therapy (810 nm) temporarily inhibits peripheral nociception: photoneuromodulation of glutamate receptors, prostatic acid phosphatase, and adenosine triphosphate**

Marcelo Victor Pires de Sousa  
Cleber Ferraresi  
Masayoshi Kawakubo  
Beatriz Kaippert  
Elisabeth Mateus Yoshimura  
Michael R. Hamblin

Marcelo Victor Pires de Sousa, Cleber Ferraresi, Masayoshi Kawakubo, Beatriz Kaippert, Elisabeth Mateus Yoshimura, Michael R. Hamblin, "Errata: Transcranial low-level laser therapy (810 nm) temporarily inhibits peripheral nociception: photoneuromodulation of glutamate receptors, prostatic acid phosphatase, and adenosine triphosphate," *Neurophoton.* 3(1), 019801 (2016), doi: 10.1117/1.NPh.3.1.019801.

# Errata: Transcranial low-level laser therapy (810 nm) temporarily inhibits peripheral nociception: photoneuromodulation of glutamate receptors, prostatic acid phosphatase, and adenosine triphosphate

Marcelo Victor Pires de Sousa,<sup>a,b,c</sup> Cleber Ferraresi,<sup>a,d,e,f</sup> Masayoshi Kawakubo,<sup>a</sup> Beatriz Kaippert,<sup>a,g</sup> Elisabeth Mateus Yoshimura,<sup>b</sup> and Michael R. Hamblin<sup>a,h,i</sup>

<sup>a</sup>Massachusetts General Hospital, Wellman Center for Photomedicine, BAR414, 40 Blossom Street, Boston, Massachusetts 02114, United States

<sup>b</sup>University of São Paulo, Institute of Physics, Laboratory of Radiation Dosimetry and Medical Physics, Rua do Matão, Travessa R, 187, Cidade Universitária, São Paulo, Brazil

<sup>c</sup>Bright Photomedicine Ltd., CIETEC Building, 2242 Lineu Prestes, São Paulo 05508-000, Brazil

<sup>d</sup>Federal University of São Carlos, Department of Physical Therapy, Laboratory of Electro-Thermo-Phototherapy, Street Washington Luis, km 235. Monjolinho, São Carlos, São Paulo 13565-905, Brazil

<sup>e</sup>Federal University of São Carlos, Post-Graduation Program in Biotechnology, Street Washington Luis, km 235. Monjolinho, São Carlos, São Paulo 13560-000, Brazil

<sup>f</sup>University of São Paulo, Optics Group, Physics Institute of São Carlos, Street Miguel Petroni, 146–Jardim Bandeirantes, São Carlos, São Paulo 13560-970, Brazil

<sup>g</sup>Federal University of Rio de Janeiro, Carlos Chagas Filho, 373–Cidade Universitária, Rio de Janeiro, RJ 21941-170, Brazil

<sup>h</sup>Harvard Medical School, Department of Dermatology, 50 Staniford Street #807, Boston, Massachusetts 02114, United States

<sup>i</sup>Harvard-MIT, Division of Health Sciences and Technology, 77 Massachusetts Avenue, E25-518, Cambridge, Massachusetts 02139, United States

[DOI: [10.1117/1.NPh.3.1.019801](https://doi.org/10.1117/1.NPh.3.1.019801)]

This article [*Neurophoton.* 3(1), 015003 (2016)] was originally published online on 25 January 2016 with an error in the abstract. The last sentence of the abstract, “This is the first study to show inhibition of peripheral pain due to photobiomodulation of the central nervous system,” is incorrect and has been removed from the paper. Prior published work showed inhibition of peripheral pain due to photobiomodulation of the central nervous system.<sup>1</sup>

The article was republished online on 16 March 2016 and appears correctly in print.

## References

1. P. M. Wedlock and R. A. Shephard, “Cranial irradiation with GAAiAs laser leads to naloxone reversible analgesia in rats,” *Psychological Reports* **78**, 727–731 (1996).