



Corrigendum: Current Trends and Research Challenges Regarding “Preparation for Oxidative Stress”

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Keywords: antioxidant, biochemical adaptation, estivation, hypoxia, oxidative stress, reactive oxygen species

OPEN ACCESS

Edited and reviewed by:

Frontiers in Physiology,
Frontiers Media SA, Switzerland

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Specialty section:

This article was submitted to
Oxidant Physiology,
a section of the journal
Frontiers in Physiology

Received: 26 June 2018

Accepted: 28 June 2018

Published: 13 July 2018

Citation:

Moreira DC, Oliveira MF,
Liz-Guimarães L, Diniz-Rojas N,
Campos EG and Hermes-Lima M
(2018) Corrigendum: Current Trends
and Research Challenges Regarding
“Preparation for Oxidative Stress”.
Front. Physiol. 9:950.
doi: 10.3389/fphys.2018.00950

A corrigendum on

Current Trends and Research Challenges Regarding “Preparation for Oxidative Stress”

by Moreira, D. C., Oliveira, M. F., Liz-Guimarães, L., Diniz-Rojas, N., Campos, É. G., and Hermes-Lima, M. (2017). *Front. Physiol.* 8:702. doi: 10.3389/fphys.2017.00702

In the original article, there was an error. In the Introduction text, the word “oxygen” was used instead of “oxidative.” The correct term is “preparation for oxidative stress.”

A correction has been made to the Introduction, second paragraph:

Several biochemical adaptations, including metabolic depression, use of anaerobic pathways, epigenetic modifications, and changes in redox metabolism are conserved among many animal species that tolerate low oxygen stress (Staples and Buck, 2009; Storey and Storey, 2012; Biggar and Storey, 2015; Storey, 2015). In the last 25 years, researchers have been studying the role of redox metabolism in the survival machinery of animals under low oxygen stress and estivation. It was observed that many animal species from eight phyla (including vertebrates and invertebrates) upregulate endogenous antioxidant levels during low oxygen stress (Moreira et al., 2016). Phenotypically, studies from many laboratories have shown increases in catalase, superoxide dismutases, and glutathione peroxidases activities, and also in the levels of reduced glutathione (GSH), under stress conditions. The biological phenomenon of antioxidant upregulation in response to low oxygen availability is referred to as “preparation for oxidative stress” (POS; Hermes-Lima et al., 1998, 2001; Hermes-Lima and Zenteno-Savín, 2002).

The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way.

The original article has been updated.

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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.

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