

# UNIVERSITY OF BIRMINGHAM

University of Birmingham  
Research at Birmingham

## Corrigendum

Weaver, Samuel R; Skinner, Bethany D; Furlong, Rhodri; Lucas, Rebekah A I; Cable, N Timothy; Rendeiro, Catarina; McGettrick, Helen M; Lucas, Samuel J E

DOI:

[10.3389/fphys.2021.659873](https://doi.org/10.3389/fphys.2021.659873)

License:

Creative Commons: Attribution (CC BY)

*Document Version*

Publisher's PDF, also known as Version of record

*Citation for published version (Harvard):*

Weaver, SR, Skinner, BD, Furlong, R, Lucas, RAI, Cable, NT, Rendeiro, C, McGettrick, HM & Lucas, SJE 2021, 'Corrigendum: Cerebral Hemodynamic and Neurotrophic Factor Responses Are Dependent on the Type of Exercise', *Frontiers in Physiology*, vol. 12, 659873. <https://doi.org/10.3389/fphys.2021.659873>

[Link to publication on Research at Birmingham portal](#)

### General rights

Unless a licence is specified above, all rights (including copyright and moral rights) in this document are retained by the authors and/or the copyright holders. The express permission of the copyright holder must be obtained for any use of this material other than for purposes permitted by law.

- Users may freely distribute the URL that is used to identify this publication.
- Users may download and/or print one copy of the publication from the University of Birmingham research portal for the purpose of private study or non-commercial research.
- User may use extracts from the document in line with the concept of 'fair dealing' under the Copyright, Designs and Patents Act 1988 (?)
- Users may not further distribute the material nor use it for the purposes of commercial gain.

Where a licence is displayed above, please note the terms and conditions of the licence govern your use of this document.

When citing, please reference the published version.

### Take down policy

While the University of Birmingham exercises care and attention in making items available there are rare occasions when an item has been uploaded in error or has been deemed to be commercially or otherwise sensitive.

If you believe that this is the case for this document, please contact [UBIRA@lists.bham.ac.uk](mailto:UBIRA@lists.bham.ac.uk) providing details and we will remove access to the work immediately and investigate.



# Corrigendum: Cerebral Hemodynamic and Neurotrophic Factor Responses Are Dependent on the Type of Exercise

Samuel R. Weaver<sup>1,2\*</sup>, Bethany D. Skinner<sup>1</sup>, Rhodri Furlong<sup>1</sup>, Rebekah A. I. Lucas<sup>1</sup>, N. Timothy Cable<sup>1</sup>, Catarina Rendeiro<sup>1,2</sup>, Helen M. McGettrick<sup>3</sup> and Samuel J. E. Lucas<sup>1,2</sup>

<sup>1</sup> School of Sport, Exercise and Rehabilitation Sciences, College of Life and Environmental Sciences, University of Birmingham, Birmingham, United Kingdom, <sup>2</sup> Centre for Human Brain Health, University of Birmingham, Birmingham, United Kingdom, <sup>3</sup> College of Medical and Dental Sciences, Institute of Inflammation and Ageing, University of Birmingham, Birmingham, United Kingdom

**Keywords:** cerebrovascular, exercise, hemodynamic, neurotrophic factor, physiology

## A Corrigendum on

### Cerebral Hemodynamic and Neurotrophic Factor Responses Are Dependent on the Type of Exercise

by Weaver, S. R., Skinner, B. D., Furlong, R., Lucas, R. A. I., Cable, N. T., Rendeiro, C., et al. (2021). *Front. Physiol.* 11:609935. doi: 10.3389/fphys.2020.609935

## OPEN ACCESS

### Edited and reviewed by:

Hassane Zouhal,  
University of Rennes 2 – Upper  
Brittany, France

### \*Correspondence:

Samuel R. Weaver  
sw199@bham.ac.uk

### Specialty section:

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

**Received:** 28 January 2021

**Accepted:** 08 February 2021

**Published:** 24 February 2021

### Citation:

Weaver SR, Skinner BD, Furlong R, Lucas RAI, Cable NT, Rendeiro C, McGettrick HM and Lucas SJE (2021) Corrigendum: Cerebral Hemodynamic and Neurotrophic Factor Responses Are Dependent on the Type of Exercise. *Front. Physiol.* 12:659873. doi: 10.3389/fphys.2021.659873

In the original article, there was a mistake in the legend for **Figure 3** as published. **Parts A and B were labeled in the incorrect order, the order of these panels within the figure was altered during reviewer responses and the figure legend was not updated correctly in the process.** The correct legend appears below.

**Figure 3. (A)** MCAv was determined continuously by transcranial doppler ultrasound (TCD) and presented as change in MCAv from rest in each protocol for each participant. **(B)**  $P_{ET}CO_2$  was determined by measurement of breath-by-breath respiratory gas exchange and ventilation. Data were averaged for 1 min during seated rest (Rest); over 30 s during the final minute of four 4 min high intensity (85%  $HR_{max}$ ) interval bouts (HIIT; Ex 1 – 4); across the duration of four 30 s supramaximal (200%  $W_{max}$ ) sprint intervals (SIT; Ex 1 – 4), and over a 30 s period, 15 s into the recovery following each bout in both interval protocols (Reco 1 – 4). Data are presented as mean  $\pm$  SD ( $n = 24$ ). Significance (analyzed by linear mixed model,  $p < 0.05$ ) between time points is denoted by \* for differences from resting values; € for differences between interval (ex) and recovery (reco). Significant differences between protocols are denoted by  $\Omega$ .

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.

Copyright © 2021 Weaver, Skinner, Furlong, Lucas, Cable, Rendeiro, McGettrick and Lucas. 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) and the copyright owner(s) 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.