Correction

NEUROSCIENCE, PSYCHOLOGICAL AND COGNITIVE SCIENCES

Correction for “Selective modulation of interhemispheric connectivity by transcranial alternating current stimulation influences binaural integration,” by Basil C. Preisig, Lars Riecke, Matthias J. Sjerps, Anne Kösem, Benjamin R. Kop, Bob Bramson, Peter Hagoort, and Alexis Hervais-Adelman, which published February 10, 2021; 10.1073/pnas.2015488118 (*Proc. Natl. Acad. Sci. U.S.A.* **118**, e2015488118).

The authors note that Fig. 4 appeared incorrectly. The authors note: “The errors in Fig. 4 concern the regression plots in the periphery of the figure, and the self-connection on the right pSTS. We accidentally transposed left and right hemisphere data when extracting the individual coupling parameters for the regression analyzes. Further, we accidentally flipped the algebraic sign of the self-connection of the right pSTS. Please note that the majority of the affected regressions show the same polarity in the right and the left hemisphere. Further, all the connections where the polarity of the regression is changing were either modulated the same by TACS in both hemispheres (left HG → left pSTS and right HG → right pSTS), or were not modulated by TACS (right → left pSTS). Furthermore, the flip in the algebraic sign on the self-connection of the right pSTS has no effect on the manuscript text.” The corrected figure and its legend appear below.

The authors also note that on page 4, third through fifth full paragraphs, several lines of text have been corrected to correspond with the consequent in-text changes of the regression coefficients. The authors note that none of these changes alter the results of the study or the conclusions drawn. The online version has been corrected.

Fig. 4. In the center: ROIs and their connectivity estimates during sham stimulation. The numbers on the arrows represent average coupling parameters in Hertz (positive values are shown in green, negative values are shown in red). For a given connection, $x_1 \rightarrow x_2$, these rate constants express the activation change in x_2 per unit time as a function of the current activity in x_1 . For example, a coupling strength of 0.10 Hz reflects an increase in activity in x_2 corresponding to the 10% of the current activity in x_1 . The arrows with attached square represent the driving inputs, ambiguous speech sound (white), and F3 cue (gray) (Fig. 2). In the periphery: The relationship between the individual coupling parameters on a given connection and the binaural integration score. Note that participants with stronger positive interhemispheric connections for HG show higher binaural integration scores. The P values from individual regression analyses are corrected for multiple comparison using FDR correction (44).

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