# Corrections

**NEUROSCIENCE.** For the article "Development of $^{17}O$ NMR approach for fast imaging of cerebral metabolic rate of oxygen in rat brain at high field," by Xiao-Hong Zhu, Yi Zhang, Run-Xia Tian, Hao Lei, Nanyin Zhang, Xiaoliang Zhang, Hellmut Merkle, Kamil Ugurbil, and Wei Chen, which appeared in number 20, October 1, 2002, of *Proc. Natl. Acad. Sci. USA* (**99,** 13194–13199; First Published September 19, 2002; 10.1073/pnas.202471399), the authors note the following correction. After the publication of this article, the authors found a technical error in the setup of parameters used for acquiring the 3D $^{17}O$ magnetic resonance spectroscopic (MRS) images reported in this article. This error led to overestimations of the spatial resolution of 3D $^{17}O$ MRS images. The claimed voxel sizes of the 3D $^{17}O$ MRS images (Figs. 2 and 3) and the cerebral metabolic rate of oxygen ($CMRO_2$) image (Fig. 6) are 57% smaller than the actual voxel size in each spatial dimension. Therefore, the correct voxel size was 0.10 ml, and the correct field-of-view (FOV) used in the 3D $^{17}O$ MRS images was $28 \times 28 \times 24$ mm$^3$. This correction should not significantly affect the major conclusions and methodology presented in this article. However, the correction could reveal that the current sensitivity of $^{17}O$ NMR and, alternatively, the spatial resolution of the $^{17}O$ MRS image achieved at 9.4 tesla may be potentially limited for determining and imaging $CMRO_2$ in small brain structures such as the white matter in the rat brain.

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**COLLOQUIUM.** For the colloquium paper "Unified scaling law for earthquakes," by Kim Christensen, Leon Danon, Tim Scanlon, and Per Bak, which appeared in Suppl. 1, February 19, 2002, of *Proc. Natl. Acad. Sci. USA* (**99,** 2509–2513), and for the *Physical Review Letters* paper "Unified Scaling Law for Earthquakes," by Per Bak, Kim Christensen, Leon Danon, and Tim Scanlon, which appeared April 29, 2002, in *Phys. Rev. Lett.* (**88,** 178501), Christensen, Danon, and Scanlon note that they were unaware that publication of papers titled "Unified Scaling Law for Earthquakes" as an Arthur M. Sackler Colloquium paper in PNAS and as a letter in *Physical Review Letters* violated copyright transfer and double publication policies of the journals. These authors acknowledge significant overlap in data and figures between the two papers and apologize for their oversight.

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