Corrections

PERSPECTIVE

Correction for “Theory of mass-independent fractionation of isotopes, phase space accessibility, and a role of isotopic symmetry,” by Rudolph A. Marcus, which appeared in issue 44, October 29, 2013, of *Proc Natl Acad Sci USA* (110:17703–17707; first published June 28, 2013; 10.1073/pnas.1213080110).

The author notes that, on page 1, middle column, lines 11–16 “Fewer accidental resonances mean less energy sharing and so less statistical behavior with a consequence that they are in equilibrium with the population of accessible states of O_3^* at low pressures, as discussed later.” should instead appear as “Fewer accidental resonances mean less energy sharing and so less statistical behavior with a consequence of a shorter lifetime of O_3^* at low pressures, as discussed later.”

On page 2, middle column, first full paragraph, lines 11–14 “This major difference in the pressure effect indicates a difference in the role of the collisions in these two distant phenomena.” should instead appear as “This major difference in the pressure effect indicates a difference in the role of the collisions in these two distinct phenomena.”

On page 3, middle column, first paragraph, lines 4–7 “The overall deviation from statistical theory for the recombination rate constant was (N. Ghaderi) perhaps a factor of 2.” should instead appear as “The overall deviation from statistical theory for the recombination rate constant was (N. Ghaderi) less than a factor of 2.”

On page 3, middle column, first full paragraph, lines 22–26 “Any chaos in the form of higher-order resonances within a volume element h^N would be coarse grained and so presumably contribute to quantum chaos.” should instead appear as “Any chaos in the form of higher-order resonances within a volume element h^N would be coarse grained and so presumably not contribute to quantum chaos.”

Both the online article and the print article have been corrected.

www.pnas.org/cgi/doi/10.1073/pnas.1315099110

ENVIRONMENTAL SCIENCES

Correction for “Measurements of methane emissions at natural gas production sites in the United States,” by David T. Allen, Vincent M. Torres, James Thomas, David W. Sullivan, Matthew Harrison, Al Hendler, Scott C. Herndon, Charles E. Kolb, Matthew P. Fraser, A. Daniel Hill, Brian K. Lamb, Jennifer Miskimins, Robert F. Sawyer, and John H. Seinfeld, which appeared in issue 44, October 29, 2013, of *Proc Natl Acad Sci USA* (110:17768–17773; first published September 16, 2013; 10.1073/pnas.1304880110).

The authors note that upon publication their conflict of interest statement was not complete. The updated disclosure statement is as follows, “Jennifer Miskimins holds a joint appointment with Barree & Associates and the Colorado School of Mines. She has also served as an advisor to Nexen in 2012. David T. Allen served as a consultant for the Eastern Research Group and ExxonMobil in 2012, and is the current chair of the Science Advisory Board for the EPA. John H. Seinfeld has served as a consultant for Shell in 2012. David T. Allen, Matthew Harrison, Charles E. Kolb, and Robert F. Sawyer variously serve as members of scientific advisory panels for projects supported by Environmental Defense Fund and companies involved in the natural gas supply chain. These projects are led at Colorado State University (on natural gas gathering and processing), Washington State University (on local distribution of natural gas), and the University of West Virginia (on CNG fueling and use in heavy duty vehicles).”

Both the online article and print article have been corrected.

www.pnas.org/cgi/doi/10.1073/pnas.1318658110

PHYSIOLOGY

Correction for “mitoBK_{Ca} is encoded by the *Kcnma1* gene, and a splicing sequence defines its mitochondrial location,” by Harpreet Singh, Rong Lu, Jean C. Bopassa, Andrea L. Meredith, Enrico Stefani, and Ligia Toro, which appeared in issue 26, June 25, 2013, of *Proc Natl Acad Sci USA* (110:10836–10841; first published June 10, 2013; 10.1073/pnas.1302028110).

PNAS notes that a conflict of interest statement was omitted during publication. PNAS declares that “The editor, Ramon Latorre, is a recent coauthor with the authors of this publication, having published a paper with them in 2012.”

Additionally, the authors note:

“Although Figs. 1 and S1 display the same sequence template, the analyses of LC/MS/MS data were performed against the respective databases, rat for Fig. 1, and mouse for Fig. S1. Sequence

alignment of rat (NCBI:Q62976.3; UniProtKB: Q62976-1 V.3, which differs by 3 amino acids near the N terminus with that of Figs. 1 and S1) and mouse (NCBI: NP_001240298.1) isoforms show 98.9% amino acid identity with differences circumscribed to the extreme N and C termini. Peptides identified by LC/MS/MS have the exact sequence in rat and mouse as shown in Figs. 1 and S1.”

“In published Fig. 7, panels *E* and *F* show slices of the same heart in each condition; to better display the infarcted vs. healthy portions, these images were scaled to approximately the same size. We noticed that some data points in panel *G* were slightly moved during figure preparation. The revised Fig. 7 now shows heart slices at their original magnification (*E* and *F*) and the correct panel *G*. The corrected figure and its legend appear below.”

Fig. 7. BK_{Ca} protects the heart from ischemic injury. (A) Ischemia/reperfusion protocol. (B and C) Function traces of hearts preconditioned with vehicle (DMSO, control) or with NS1619 (10 μM) in WT and *Kcnma1*^{-/-} mice. (D) NS1619 significantly improved mean RPP in WT but not in *Kcnma1*^{-/-} mice. (E and G) WT hearts preconditioned with NS1619 exhibited less infarct size (white) compared with the control. (F and G) In *Kcnma1*^{-/-}, infarct size was not reduced with NS1619. (H–J) Mitochondrial Ca²⁺ uptake. NS1619 preconditioning increased the amount of Ca²⁺ needed to induce a large Ca²⁺ release in WT but not in *Kcnma1*^{-/-} samples. Black arrows, addition of mitochondria. Blue arrows, 40 nmol Ca²⁺ pulses. Arrowheads, massive release of Ca²⁺. **P* < 0.05 vs. control (Ctrl); CRC, Ca²⁺ retention capacity.

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