

Corrections

CHEMISTRY, GENETICS. For the article “Genomewide studies of histone deacetylase function in yeast” by Bradley E. Bernstein, Jeffrey K. Tong, and Stuart L. Schreiber, which appeared in number 25, December 5, 2000, of *Proc. Natl. Acad. Sci. USA* (**97**, 13708–13713; First Published November 28, 2000; 10.1073/pnas.250477697), the authors note the following corrections. As a result of an error at the proof stage, there is a shift in the references. Ref. nos. 9–16 and 31–34 in the text should be 10–17 and 30–33, respectively.

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BIOCHEMISTRY. For the article “Mapping the intrinsic curvature and flexibility along the DNA chain” by Giampaolo Zuccheri, Anita Scipioni, Valeria Cavaliere, Giuseppe Gargiulo, Pasquale De Santis, and Bruno Samori, which appeared in number 6, March 13, 2001, of *Proc. Natl. Acad. Sci. USA* (**98**, 3074–3079; First Published February 27, 2001; 10.1073/pnas.051631198), the authors note the following correction. In the last part of the *Discussion*, the following DNA base steps were termed incorrectly: AT·TA should be AT·AT; TA·AT should be TA·TA; CG·GC should be CG·CG; and GC·CG should be GC·GC. The other sections and the figure legends are not affected.

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ANTHROPOLOGY. For the article “A highly variable segment of human subterminal 16p reveals a history of population growth for modern humans outside Africa” by Santos Alonso and John A. L. Armour, which appeared in number 3, January 30, 2001, of *Proc. Natl. Acad. Sci. USA* (**98**, 864–869; First Published December 19, 2000; 10.1073/pnas.011244998), the authors note

the following corrections. Table 1 on page 865 was misaligned; therefore, a corrected table is printed below. In addition, the circle representing lineage e in Fig. 1*b* should be split into two sections to indicate equal representation of this haplotype in Pygmies and Kenyans.

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Table 1. Polymorphic positions

Ancestor	ggga+cccgggcccgggcccccgacgggtaagctagggcgct
3P	a.....t.....t.....a.....a.....
1U	.a.....a.a.....a.....
1J	.c.....aa.....a.....
3B+4J	.c.....a.....a.....
1P	.....ca.t.....a.....a.....at.....
1P	.....a.a...t...a.....a.....
1J	.....a.....c.a.....
1U	.....a.....a.a...
2P	.....a.....a...c...
1K	.....a.....a.....c
13B+11J+14U+8K+2P	.....a.....a.....
1U	.....a.....a...t...
1B+2UK	.....a.....ca.....
1J	.....a.....t...a.....
1B+1K	.....a.....c.....a.....
1B+2J+4K+4P	.....a...t.....a.....
1P	.....a...t...a.....a.a...
2K	.....a...t...a.....a.....
1K	.....a...t.....a.....
1P+1K	.....a.....
1U	.....t...a.....ca.....
1B	.....t.....
1P	.....t.....t.....a.acg.....
3P	...-...t.....a.....
1P	...-...gt.....a.....
2K	...g.....a.....a.....

Dots represent the same state as in the ancestor sequence. + and – in polymorphism number 5 represent presence or absence of a 5-bp motif, respectively. Abbreviations: B, Basques; J, Japanese; K, Kenyans; P, Pygmies; and U, U.K.

BIOCHEMISTRY. For the article “Functional transitions in myosin: Formation of a critical salt-bridge and transmission of effect to the sensitive tryptophan” by Hirofumi Onishi, Shin-ichiro Kojima, Kazuo Katoh, Keigi Fujiwara, Hugo M. Martinez, and Manuel F. Morales, which appeared in number 12, June 9, 1998, of *Proc. Natl. Acad. Sci. USA* (**95**, 6653–6658), the authors note the following correction. Recently, it has been discovered that the heavy meromyosin (HMM) mutant described as E470R/R247E HMM was actually P548G HMM. Examination and subsequent experiments with authentic E470R/R247E HMM revealed that although its tryptophan fluorescence is increased upon addition of ADP or ATP, its intrinsic ATPase at all ATP concentrations examined, 0.5–4 mM, was far less than that of wild type. As before, it was not actin-activated. Therefore, our revised conclusions are: (i) our observations do not conflict with Rayment’s suggestion that at some stage preceding hydrolysis, bridge formation occurs; (ii) for fluorescence enhancement, the reversed dipole of the mutant is at least partly effective; (iii) although ATP binds as suggested by the partial tryptophan enhancement, the salt bridge does not form properly, so hydrolysis is therefore precluded; and (iv) we cannot deduce anything about actin activation because intrinsic ATPase is absent. It seems that in E470R and R247E HMMs, electrical repulsion precludes bridge formation, and therefore, hydrolysis.

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CELL BIOLOGY. For the article “Integrin-mediated mechanotransduction requires its dynamic interaction with specific extracellular matrix (ECM) ligands” by Shila Jalali, Miguel A. del Pozo, Kuang-Den Chen, Hui Miao, Yi-Shuan Li, Martin A. Schwartz, John Y.-J. Shyy, and Shu Chien, which appeared in number 3, January 30, 2001, of *Proc. Natl. Acad. Sci. USA* (**98**, 1042–1046; First Published January 23, 2001; 10.1073/pnas.031562998), the authors note the following correction. The first sentence on page 1045, right column, fourth paragraph, lines 1–3, reads, “Recent study (23) has indicated that vascular endothelial growth factor receptor (VEGF-R) may be involved in integrin/Shc association.” This sentence should be changed to read, “Recent study (23) indicated that vascular endothelial growth factor receptor (VEGF-R) may interact with integrin for VEGF signaling.”

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GENETICS. For the article “Genetic restriction of HIV-1 pathogenesis to AIDS by promoter alleles of IL10” by Hyoung Doo Shin, Cheryl Winkler, J. Claiborne Stephens, Jay Bream, Howard Young, James J. Goedert, Thomas R. O’Brien, David Vlahov, Susan Buchbinder, Janis Giorgi, Charles Rinaldo, Sharyne Donfield, Anne Willoughby, Stephen J. O’Brien, and Michael W. Smith, which appeared in number 26, December 19, 2000, of *Proc. Natl. Acad. Sci. USA* (**97**, 14467–14472), the authors note the following: “The discovery described by Shin *et al.* in this paper was the subject of U.S. patent application no. PCT/US00/09355 filed on behalf of the U.S. Department of Health and Human Services on April 9, 1999, and internationally on April 6, 2000. M. W. Smith, H. D. Shin, and S. J. O’Brien are listed as inventors on the patent.”

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MEDICAL SCIENCES. For the article “Heparin and cancer revisited: Mechanistic connections involving platelets, P-selectin, carcinoma mucins, and tumor metastasis” by Lubor Borsig, Richard Wong, James Feramisco, David R. Nadeau, Nissi M. Varki, and Ajit Varki, which appeared in number 6, March 13, 2001, of *Proc. Natl. Acad. Sci. USA* (**98**, 3352–3357), the authors note the following correction. On page 3355, the URL for NEARCOUNT software was incorrectly listed as <http://vis.fdsc.edu>. The correct URL is <http://vis.sdsc.edu>.

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MICROBIOLOGY. For the article “Efficient use of a small genome to generate antigenic diversity in tick-borne ehrlichial pathogens” by Kelly A. Brayton, Donald P. Knowles, Travis C. McGuire, and Guy H. Palmer, which appeared in number 7, March 27, 2001, of *Proc. Natl. Acad. Sci. USA* (**98**, 4130–4135), the authors note the following correction. The correct address for Donald P. Knowles is Animal Disease Research Unit, Agricultural Research Service, U.S. Department of Agriculture, Pullman, WA 99164-6630.

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SPECIAL FEATURE, MICROBIOLOGY. For the article “Chains of magnetite crystals in the meteorite ALH84001: Evidence of biological origin” by E. Imre Friedmann, Jacek Wierzchos, Carmen Ascaso, and Michael Winklhofer, which appeared in number 5, February 27, 2001, of *Proc. Natl. Acad. Sci. USA* (**98**, 2176–2181), the authors note the following correction. On page 2178, left column, 2nd line from the bottom, insert after “fractured”: “along existing microscopic cracks to expose carbonate globules.”

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NEUROBIOLOGY. For the article “Dopamine D1/D5 receptor modulation of excitatory synaptic inputs to layer V prefrontal cortex neurons” by Jeremy K. Seamans, Daniel Durstewitz, Brian R. Christie, Charles F. Stevens, and Terrence J. Sejnowski, which appeared in number 1, January 2, 2001, of *Proc. Natl. Acad. Sci. USA* (**98**, 301–306; First Published December 26, 2000; 10.1073/pnas.011518798), the authors note the following correction. Line 10 of the abstract should read: “With 20 Hz synaptic trains we found that the D1/D5 agonists increased the depolarization produced by summing NMDA excitatory postsynaptic potentials (EPSPs).” In addition, on line 3 of page 305, “signal” should be “single.”

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PHYSIOLOGY. For the article “Choline acetyltransferase mutations cause myasthenic syndrome associated with episodic apnea in humans” by Kinji Ohno, Akira Tsujino, Joan M. Brengman, C. Michel Harper, Zeljko Bajzer, Bjarne Udd, Roger Beyring, Stephanie Robb, Fenella J. Kirkham, and Andrew G. Engel, which appeared in number 4, February 13, 2001, of *Proc. Natl. Acad. Sci. USA* (**98**, 2017–2022), the authors note the following correction. Dr. Xin-Ming Shen’s name and affiliation were inadvertently omitted from the list of authors. Dr. Shen’s affiliation is Department of Neurology and Neuromuscular Research Laboratory, Mayo Clinic, Rochester, MN 55905. The corrected list of authors is: Kinji Ohno, Akira Tsujino, Xin-Ming Shen, Joan M. Brengman, C. Michel Harper, Zeljko Bajzer, Bjarne Udd, Roger Beyring, Stephanie Robb, Fenella J. Kirkham, and Andrew G. Engel.

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