

# Corrections and Retraction

## CORRECTIONS

**INAUGURAL ARTICLE, GEOPHYSICS.** For the article “Gravitational dynamos and the low-frequency geomagnetic secular variation,” by P. Olson, which appeared in issue 51, December 18, 2007, of *Proc Natl Acad Sci USA* (104:20159–20166; first published November 29, 2007; 10.1073/pnas.0709081104), the author notes that on page 20160, left column, last paragraph, line 9, “then  $\varepsilon = -1$  in Eq. 3” should instead read: “use  $\varepsilon = -1/\sqrt{4\pi}$  in Eq. 3.” This error does not affect the conclusions of the article.

[www.pnas.org/cgi/doi/10.1073/pnas.0800480105](http://www.pnas.org/cgi/doi/10.1073/pnas.0800480105)

**APPLIED PHYSICAL SCIENCES.** For the article “Instability in pipe flow,” by D. L. Cotrell, G. B. McFadden, and B. J. Alder, which appeared in issue 2, January 15, 2008, of *Proc Natl Acad Sci USA* (105:428–430; first published January 4, 2008; 10.1073/pnas.0709172104), due to a printer’s error, the year of publication appeared incorrectly in the footer. The correct publication date is “January 15, 2008.” The online version has been corrected.

[www.pnas.org/cgi/doi/10.1073/pnas.0801024105](http://www.pnas.org/cgi/doi/10.1073/pnas.0801024105)

**BIOCHEMISTRY.** For the article “The globular tail domain puts on the brake to stop the ATPase cycle of myosin Va,” by Xiangdong Li, Hyun Suk Jung, Qizhi Wang, Reiko Ikebe, Roger Craig, and Mitsuo Ikebe, which appeared in issue 4, January 29, 2008, of *Proc Natl Acad Sci USA* (105:1140–1145; first published January 23, 2008; 10.1073/pnas.0709741105), the authors note that, due to a printer’s error, ref. 25 contained an incorrect volume number. The corrected reference appears below.

25. Burgess SA, Yu S, Walker ML, Hawkins RJ, Chalovich JM, Knight PJ (2007) *J Mol Biol* 372:1165–1178.

[www.pnas.org/cgi/doi/10.1073/pnas.0801004105](http://www.pnas.org/cgi/doi/10.1073/pnas.0801004105)

**DEVELOPMENTAL BIOLOGY.** For the article “Linking pattern formation to cell-type specification: Dichaete and Ind directly repress *achaete* gene expression in the *Drosophila* CNS,” by Guoyan Zhao, Grace Boekhoff-Falk, Beth A. Wilson, and James B. Skeath, which appeared in issue 10, March 6, 2007, of *Proc Natl Acad Sci USA* (104:3847–3852; first published February 26, 2007; 10.1073/pnas.0611700104), the authors note the following: “On page 3851, right column, first paragraph, line 9, in the sentence ‘For example, Sox1 can bind directly to the *HES1* promoter and suppress its transcription (24, 32),’ the references were cited in error. The correct reference is Kan L, Israsena N, Zhang Z, Hu M, Zhao LR, Jalali A, Sahni V, Kessler JA (2004) *Dev Biol* 269:580–594. Additionally, please note that ref. 24 is a duplicate of ref. 10. Finally, ref. 4 was cited in error on page 3852, left column, paragraph 3, line 4, and right column, paragraph 2, line 1, and should be removed from both locations. We apologize for any confusion these errors may have caused.”

[www.pnas.org/cgi/doi/10.1073/pnas.0800385105](http://www.pnas.org/cgi/doi/10.1073/pnas.0800385105)

## RETRACTION

**PLANT BIOLOGY.** For the article “*Arabidopsis* myosin XI mutant is defective in organelle movement and polar auxin transport,” by Carola Holweg and Peter Nick, which appeared in issue 28, July 13, 2004, of *Proc Natl Acad Sci USA* (101:10488–10493; first published July 6, 2004; 10.1073/pnas.0403155101), the authors wish to note the following: “We must retract the results published in the article. In further investigations of the *mya2-1* knockout (SAIL\_414\_C04), we detected a second deletion upstream and adjacent to the *MYA2* locus, and a complementation assay performed with the whole genomic sequence of *MYA2*, including the promoter (10.5 kb), revealed no significant differences between the dwarf phenotype of the original mutant line and the *mya2*-rescued line. The analysis included parameters such as shoot length, cytoplasmic streaming, hypocotyl length, epidermal cell length, and root hair length. Therefore, the phenotype of the original knockout line was probably due to the second deletion upstream of the *MYA2* gene. Since our original publication, and consistent with our new results, others have observed no major defects resulting from inactivation of any of the 13 myosin XI genes in the *Arabidopsis thaliana* genome (1–3); inactivation of the *MYA2* and *XI-K* genes resulted only in defects in root hair growth and organelle trafficking (2, 3).”

Carola Holweg  
Peter Nick

1. Hashimoto K, et al. (2005) Peroxisomal localization of myosin XI isoform in *Arabidopsis thaliana*. *Plant Cell Physiol* 46:782–789.
2. Ojangu EL, Järve K, Paves H, Truve E (2007) *Arabidopsis thaliana* myosin XI is involved in root hair as well as trichome morphogenesis on stems and leaves. *Protoplasma* 230:193–202.
3. Peremyshov VV, Prokhnovsky AI, Avisar D, Dolja VV (2008) Two class XI myosins function in organelle trafficking and root hair development in *Arabidopsis thaliana*. *Plant Physiol*, 10.1104/pp.107.113654.

[www.pnas.org/cgi/doi/10.1073/pnas.0801065105](http://www.pnas.org/cgi/doi/10.1073/pnas.0801065105)