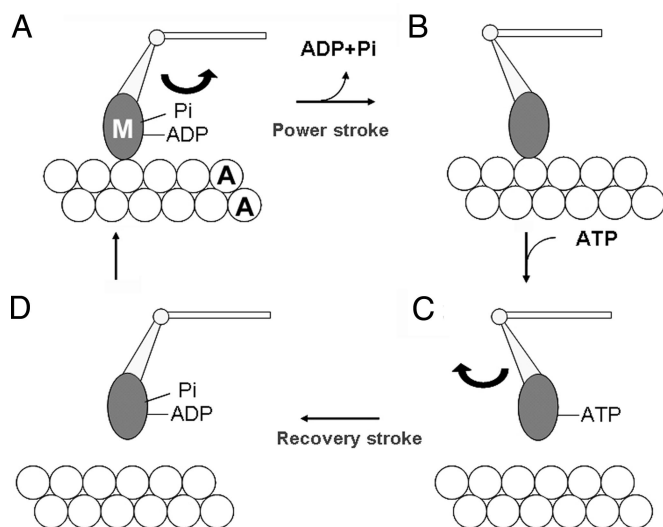


# Corrections

## BIOPHYSICS

Correction for “Direct demonstration of the cross-bridge recovery stroke in muscle thick filaments in aqueous solution by using the hydration chamber,” by Haruo Sugi, Hiroki Minoda, Yuhri Inayoshi, Fumiaki Yumoto, Takuya Miyakawa, Yumiko Miyauchi, Masaru Tanokura, Tsuyoshi Akimoto, Takakazu Kobayashi, Shigeru Chaen, and Seiryu Sugiura, which appeared in issue 45, November 11, 2008, of *Proc Natl Acad Sci USA* (105:17396–17401; first published November 5, 2008; 10.1073/pnas.0809581105).

The authors note that due to a printer’s error, the locants were transposed in Fig. 1 C and D. The panels are intended to be viewed clockwise from A. The corrected figure and its legend appear below.



**Fig. 1.** Schematic diagram of attachment–detachment cycle between the cross-bridge (M) extending from the thick filament and actin (A) in the thin filament. M in the form of M·ADP·Pi attaches to actin to exert a power stroke, associated with release of Pi and ADP (from A to B). After the end of the power stroke, M remains attached to A, taking its postpower stroke configuration (B). Upon binding with ATP, M detaches from A to exert a recovery stroke, associated with reaction  $M\text{-ATP} \rightarrow M\text{-ADP}\cdot\text{Pi}$  (from C to D). M·ADP·Pi again attaches to A to again exert a power stroke (from D to A). M is assumed to attach rigidly to A, whereas its power and recovery strokes are assumed to result from swinging of the lever arm around the hinge.

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## MEDICAL SCIENCES

Correction for “Loss of PIP5KI $\beta$  demonstrates that PIP5KI isoform-specific PIP<sub>2</sub> synthesis is required for IP<sub>3</sub> formation,” by Yanfeng Wang, Xinsheng Chen, Lurong Lian, Tang Tang, Timothy J. Stalker, Takehiko Sasaki, Lawrence F. Brass, John K. Choi, John H. Hartwig, and Charles S. Abrams, which appeared in issue 37, September 16, 2008, of *Proc Natl Acad Sci USA* (105:14064–14069; first published September 4, 2008; 10.1073/pnas.0804139105).

The authors request that Yasunori Kanaho, Department of Physiological Chemistry, Graduate School of Comprehensive Human Sciences, Institute of Basic Medical Sciences, University of Tsukuba, 1-1-1 Ten-nohdai, Tsukuba 305-8575, Japan, be added to the author list, between Takehiko Sasaki and Lawrence F. Brass, and be credited with contributing new reagents/analytic tools. The online version has been corrected. The corrected author and affiliation lines, and related footnotes, appear below.

**Yanfeng Wang<sup>\*†</sup>, Xinsheng Chen<sup>\*†</sup>, Lurong Lian<sup>\*†</sup>, Tang Tang<sup>\*</sup>, Timothy J. Stalker<sup>\*</sup>, Takehiko Sasaki<sup>‡</sup>, Yasunori Kanaho<sup>§</sup>, Lawrence F. Brass<sup>\*</sup>, John K. Choi<sup>¶</sup>, John H. Hartwig<sup>¶</sup>, and Charles S. Abrams<sup>\*,\*\*</sup>**

Departments of <sup>\*</sup>Medicine and <sup>¶</sup>Pathology, University of Pennsylvania, Philadelphia, PA 19104; <sup>‡</sup>Department of Pathology and Immunology, Akita School of Medicine, Akita 010-8543, Japan; <sup>§</sup>Department of Physiological Chemistry, Graduate School of Comprehensive Human Sciences, Institute of Basic Medical Sciences, University of Tsukuba, 1-1-1 Ten-nohdai, Tsukuba 305-8575, Japan; and <sup>¶</sup>Hematology Division, Brigham and Women’s Hospital, Boston, MA 02115

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<sup>†</sup>Y.W., X.C., and L.L. contributed equally to this work.

<sup>\*\*</sup>To whom correspondence should be addressed at: Hematology–Oncology Division, University of Pennsylvania School of Medicine, 421 Curie Boulevard, Biomedical Research Building III/III, 912, Philadelphia, PA 19104. E-mail: abrams@mail.med.upenn.edu.

<sup>††</sup>It should be noted that the nomenclatures used for the murine and human isoforms are not consistent. Murine PIP5KI $\beta$  is the ortholog of human PIP5KI $\alpha$ , and murine PIP5KI $\alpha$  is the ortholog of human PIP5KI $\beta$ . In this manuscript, only the murine nomenclature is used.

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