

Immunology. In the article “Absence of tumor necrosis factor rescues RelA-deficient mice from embryonic lethality” by Takahiro S. Doi, Michael W. Marino, Toshitada Takahashi, Toshimichi Yoshida, Teruyo Sakakura, Lloyd J. Old, and Yuichi Obata, which appeared in number 6, March 16, 1999, of *Proc. Natl. Acad. Sci. USA* (96, 2994–2999), the following corrections should be noted:

In Table 1, page 2995, line 1 of the title, the second sentence, “Results of matings of TNF^{+/+} or TNF^{-/-} mice with relA^{+/-} mice,” should be removed.

In Table 2, page 2997, line 2, right column, the genotype of the male parent which currently reads “TNF^{+/-}relA^{+/+}” should read “TNF^{-/-}relA^{+/-}.”

In Table 2, page 2997, line 3, right-most column, the genotype of the offspring which currently reads “-+/-relA^{+/+}” should read “TNF^{+/-}relA^{+/+}.”

In line 2 of *Discussion*, page 2997, the sentence that reads “TNF mediates this abnormality and the associated lethality, as viable RelA-deficient progeny without liver damage result from matings of TNF-deficient RelA-heterozygous mice with RelA-deficient mice” should read “TNF mediates this abnormality and the associated lethality, as viable RelA-deficient progeny without liver damage result from matings of TNF-deficient RelA-heterozygous mice.”

Medical Sciences. In the article “RB-mediated suppression of spontaneous multiple neuroendocrine neoplasia and lung me-

tastases in *Rb*^{+/-} mice” by Alexander Yu. Nikitin, María I. Juárez-Pérez, Song Li, Leaf Huang, and Wen-Hwa Lee, which appeared in number 7, March 30, 1999, of *Proc. Natl. Acad. Sci. USA* (96, 3916–3921), the following correction should be noted. The labeling of the gel in Fig. 1O was erroneously moved down and to the right. The corrected figure and its legend are shown below.

Immunology. In the article “Ubiquitin-dependent degradation of IκBα is mediated by a ubiquitin ligase Skp1/Cul1/F-box protein FWD1” by Shigetsugu Hatakeyama, Masatoshi Kitagawa, Keiko Nakayama, Michiko Shirane, Masaki Matsumoto, Kimihiko Hattori, Hideaki Higashi, Hiroyasu Nakano, Ko Okumura, Kazunori Onoé, Robert A. Good, and Kei-ichi Nakayama, which appeared in number 7, March 30, 1999, of *Proc. Natl. Acad. Sci. USA* (96, 3859–3863), due to printer’s error, the following changes should be noted. On page 3859 in the abstract, text, and footnote, the word “Cull 1” should be “Cul1.”

Biophysics. In the article “High-resolution NMR of encapsulated proteins dissolved in low-viscosity fluids” by A. Joshua Wand, Mark R. Ehrhardt, and Peter F. Flynn, which appeared in number 26, December 22, 1998, of *Proc. Natl. Acad. Sci. USA* (95, 15299–15302), the term “high pressure NMR” was incorrectly printed as “HPLC NMR,” due to a printer’s error.

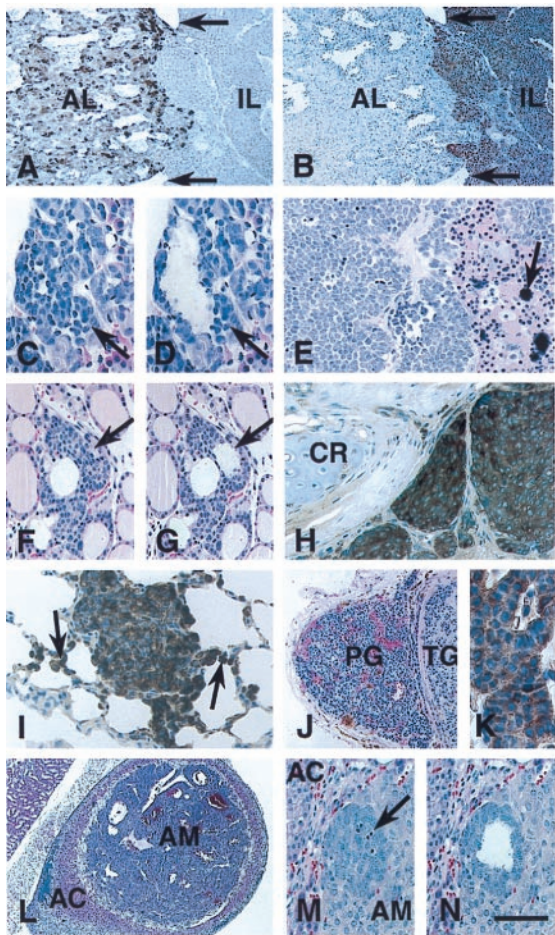


FIG. 1. Multiple neuroendocrine neoplasia in *Rb*^{+/-} mice. (A and B) Gross compound pituitary tumor on P394. The tumor consists of two histologically distinct components that substitute for the pituitary anterior (AL) and intermediate (IL) lobes, which are demarcated by remnants of Rathke’s cleft (arrows). AL tumor cells contain α-GSU (A) and are positioned loosely around sinusoid-like vessels. IL tumor cells contain α-melanocyte-stimulating hormone (B) and form poorly vascularized epithelioid fields with central necrotic and hemorrhagic areas. (C and D) EAP in the anterior pituitary lobe on P90 before (C) and after (D) microdissection for genotype analysis by the PCR. (E) C-cell carcinoma on P340 showing the typical arrangement of polyhedral tumor cells in solid nests and rough hyalinized collagen with calcification (arrow). (F and G) C-cell EAP (arrow) on P60 before (F) and after (G) microdissection. The atypical cells show a parafollicular location. (H) Medullary thyroid carcinoma invading surrounding tissues on P469. Accumulation of calcitonin (brown color) is evident in the cytoplasm of tumor cells (arrow). CR, cartilage. (I) Calcitonin-containing metastatic cells in the lung on P463. The metastatic cells exhibit intraalveolar spreading (arrows). (J) A well-vascularized parathyroid tumor (PG) and a neighboring solid C-cell tumor of the thyroid gland (TG) on P370. (K) Parathyroid hormone expression in parathyroid tumor cells. (L) Pheochromocytoma of the adrenal medulla (AM) compressing the adrenal cortex (AC). (M and N) EAP in the adrenal medulla (AM) on P60 before (M) and after (N) microdissection. The arrow indicates multiple apoptotic figures. Staining: avidin-biotin-peroxidase immunostaining for α-GSU (A), α-melanocyte-stimulating hormone (B), calcitonin (H and I), or parathyroid hormone (K) with hematoxylin counterstaining; (C–G, J, and L–N) hematoxylin-eosin staining. [Bar: 160 μm (A and B), 40 μm (C, D, and I), 110 μm (E), 60 μm (F and G), 50 μm (H), 150 μm (J), and 20 μm (K), 390 μm (L), and 70 μm (M and N).] (O) Absence of the wild-type *Rb* allele (151-bp PCR product) in gross tumors (T; lanes 3, 4, 7, 10, 11, 17, and 18) and EAPs (E; lanes 1, 2, 6, 8, 9, 14, and 16) of the pituitary anterior lobe (AL, lanes 1–4), the parathyroid gland (PG, lanes 6 and 7), thyroid C cells (TG, lanes 8–11), lung metastases (L, lanes 12 and 13), or adrenal medulla (lanes 14 and 16–18). N, *Rb*^{+/-} normal tissue (lanes 5 and 15). Nondenaturing 12% polyacrylamide gel stained with silver. The 236-bp band corresponds to the mutant *Rb* allele (11).



Pharmacology. In the article "Nuclear localization of prostaglandin E₂ receptors" by Mousumi Bhattacharya, Krishna G. Peri, Guillermina Almazan, Alfredo Ribeiro-da-Silva, Hitoshi Shichi, Yves Durocher, Mark Abramovitz, Xin Hou, Daya R. Varma, and Sylvain Chemtob, which appeared in number 26, December 22, 1998, of *Proc. Natl. Acad. Sci. USA* (95, 15792–15797), the paragraph on page 15793, left column, should read as follows (change indicated in *italic type*): "**Indirect Immu-**

nofluorescence of EP₁ Receptors. For examining the immunolocalization of EP₁ receptors, immunocytochemistry was performed as described (21) on Swiss 3T3, HEK293 (EBNA), or endothelial cells with rabbit *anti-EP₁ antibodies* (22) and FITC-conjugated or Texas red-conjugated anti-rabbit IgG (Bio/Can Scientific, Mississauga, ON), diluted 1:50." In addition, because Figs. 6 and 7 were printed with markedly poor quality, they and their legends are reproduced below.

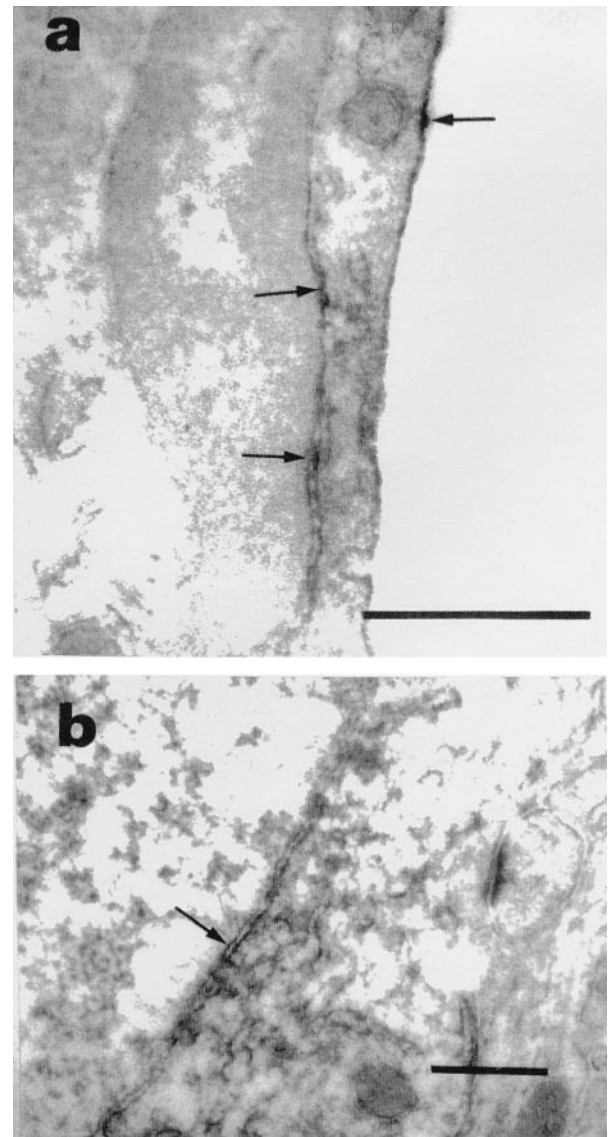
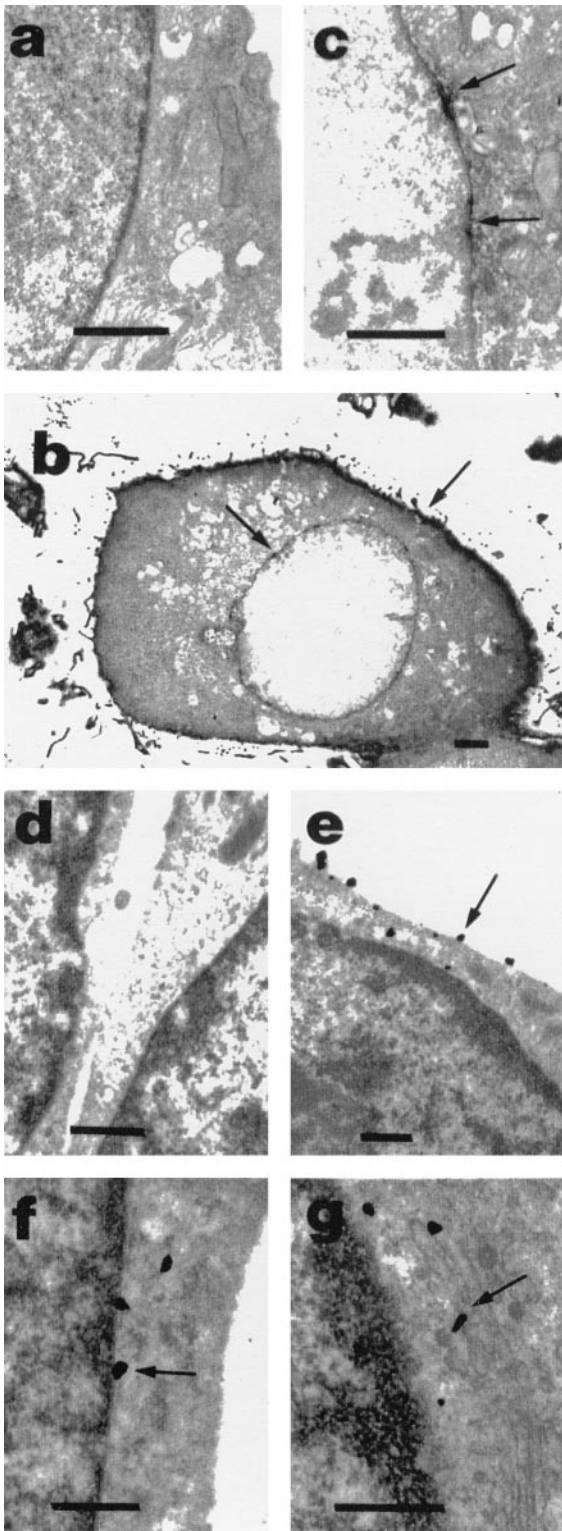


FIG. 7. Immunoperoxidase localization of EP₁ in adult rat brain cortex by electron microscopy (arrows). Specific immunostaining observed in plasma membrane and inner and outer nuclear membranes of capillary endothelial cell (*a*) and nuclear membranes of neurons (*b*). Note the luminal space of capillary on right in *a*. (Bars = 0.5 μ m.)

FIG. 6. Immunoperoxidase and immunogold localization of EP₁ in porcine endothelial cells detected by electron microscopy (arrows). (*a*) Immunoperoxidase-IgG alone; note absence of immunostaining when primary antibody is omitted. (*b*) A low magnification showing immunostaining in plasma membrane and nuclear envelope. (*c*) A higher magnification showing immunostaining in the nuclear envelope. (*d*) Immunogold-IgG alone; note absence of immunostaining. Specific immunostaining can be observed in the plasma membrane in *e*, nuclear envelope in *f*, and Golgi apparatus in *g*. (Bar = 0.5 μ m, except in *b* = 2 μ m.)

Microbiology. In the article “Molecular and biophysical characterization of TT virus: Evidence for a new virus family infecting humans” by Isa K. Mushahwar, James C. Erker, A. Scott Muerhoff, Thomas P. Leary, John N. Simons, Larry G. Birkenmeyer, Michelle L. Chalmers, Tami J. Pilot-Matias, and Suresh M. Dexai, which appeared in number 6, March 16, 1999, of *Proc. Natl. Acad. Sci. USA* (**96**, 3177–3182), the following correction should be noted. The last author’s name has been misspelled, and it should be amended as Suresh M. Desai and not Suresh M. Dexai.

Physiology. In the article “Parathyroid hormone leads to the lysosomal degradation of the renal type II Na/P_i cotransporter” by Markus F. Pfister, Isabelle Ruf, Gerti Stange, Urs Ziegler, Eleanor Lederer, Jürg Biber, and Heini Murer, which appeared in number 4, February 17, 1998, of *Proc. Natl. Acad. Sci. USA* (**95**, 1909–1914), the authors wish to note that the Acknowledgment section should have included the following grant information: “Dr. Lederer is an employee of and her work is supported by a grant from the U.S. Department of Veterans Affairs.”