

Corrections

For the following 18 articles, the authors note, in addition to the partial funding of this study from KaroBio AB, that J.-Å.G. is cofounder, deputy board member, stockholder, and consultant of KaroBio AB.

(i) **NEUROSCIENCE.** “Liver X receptors in the central nervous system: From lipid homeostasis to neuronal degeneration,” by Ling Wang, Gertrud U. Schuster, Kjell Hultenby, Qinghong Zhang, Sandra Andersson, and Jan-Åke Gustafsson, which appeared in issue 21, October 15, 2002, of *Proc. Natl. Acad. Sci. USA* (**99**, 13878–13883; first published October 4, 2002; 10.1073/pnas.172510899);

(ii) **DEVELOPMENTAL BIOLOGY.** “An endocrine pathway in the prostate, ER β , AR, 5 α -androstane-3 β ,17 β -diol, and CYP7B1, regulates prostate growth,” by Zhang Weihua, Richard Lathe, Margaret Warner, and Jan-Åke Gustafsson, which appeared in issue 21, October 15, 2002, of *Proc. Natl. Acad. Sci. USA* (**99**, 13589–13594; first published October 7, 2002; 10.1073/pnas.162477299);

(iii) **MEDICAL SCIENCES.** “Involvement of estrogen receptor β in terminal differentiation of mammary gland epithelium,” by Carola Förster, Sari Mäkela, Anni Wärri, Silke Kietz, David Becker, Kjell Hultenby, Margaret Warner, and Jan-Åke Gustafsson, which appeared in issue 24, November 26, 2002, of *Proc. Natl. Acad. Sci. USA* (**99**, 15578–15583; first published November 18, 2002; 10.1073/pnas.192561299);

(iv) **NEUROSCIENCE.** “Estrogen receptor (ER) β knockout mice reveal a role for ER β in migration of cortical neurons in the developing brain,” by Ling Wang, Sandra Andersson, Margaret Warner, and Jan-Åke Gustafsson, which appeared in issue 2, January 21, 2003, of *Proc. Natl. Acad. Sci. USA* (**100**, 703–708; first published January 6, 2003; 10.1073/pnas.242735799);

(v) **MEDICAL SCIENCES.** “Disruption of the estrogen receptor β gene in mice causes myeloproliferative disease resembling chronic myeloid leukemia with lymphoid blast crisis,” by Gil-Jin Shim, Ling Wang, Sandra Andersson, Noémi Nagy, Loránd Levente Kis, Qinghong Zhang, Sari Mäkela, Margaret Warner, and Jan-Åke Gustafsson, which appeared in issue 11, May 27, 2003, of *Proc. Natl. Acad. Sci. USA* (**100**, 6694–6699; first published May 9, 2003; 10.1073/pnas.0731830100);

(vi) **MEDICAL SCIENCES.** “Differential effects on bone of estrogen receptor α and androgen receptor activation in orchidectomized adult male mice,” by Sofia Movérare, Katrien Venken, Anna-Lena Eriksson, Niklas Andersson, Stanko Skrtic, Jon Wergedal, Subburaman Mohan, Phil Salmon, Roger Bouillon, Jan-Åke Gustafsson, Dirk Vanderschueren, and Claes Ohlsson, which appeared in issue 23, November 11, 2003, of *Proc. Natl. Acad. Sci. USA* (**100**, 13573–13578; first published October 22, 2003; 10.1073/pnas.2233084100);

(vii) **MEDICAL SCIENCES.** “Autoimmune glomerulonephritis with spontaneous formation of splenic germinal centers in mice lacking the *estrogen receptor alpha* gene,” by Gil-Jin Shim, Loránd Levente Kis, Margaret Warner, and Jan-Åke Gustafsson, which appeared in issue 6, February 10, 2004, of *Proc. Natl. Acad. Sci. USA* (**101**, 1720–1724; first published January 26, 2004; 10.1073/pnas.0307915100);

(viii) **CELL BIOLOGY.** “Estrogen receptor β inhibits 17 β -estradiol-stimulated proliferation of the breast cancer cell line T47D,” by Anders Ström, Johan Hartman, James S. Foster, Silke Kietz, Jay Wimalasena, and Jan-Åke Gustafsson, which appeared in issue 6, February 10, 2004, of *Proc. Natl. Acad. Sci. USA* (**101**, 1566–1571; first published January 26, 2004; 10.1073/pnas.0308319100);

(ix) **INAUGURAL ARTICLE, PHYSIOLOGY.** “Estrogen receptors ER α and ER β in proliferation in the rodent mammary gland,” by Guojun Cheng, Zhang Weihua, Margaret Warner, and Jan-Åke Gustafsson, which appeared in issue 11, March 16, 2004, of *Proc. Natl. Acad. Sci. USA* (**101**, 3739–3746; first published February 4, 2004; 10.1073/pnas.0307864100);

(x) **MEDICAL SCIENCES.** “Estrogen receptor β regulates epithelial cellular differentiation in the mouse ventral prostate,” by Otabek Imamov, Andrea Morani, Gil-Jin Shim, Yoko Omoto, Christina Thulin-Andersson, Margaret Warner, and Jan-Åke Gustafsson, which appeared in issue 25, June 22, 2004, of *Proc. Natl. Acad. Sci. USA* (**101**, 9375–9380; first published June 8, 2004; 10.1073/pnas.0403041101);

(xi) **IMMUNOLOGY.** “Aromatase-deficient mice spontaneously develop a lymphoproliferative autoimmune disease resembling Sjögren’s syndrome,” by Gil-Jin Shim, Margaret Warner, Hyun-Jin Kim, Sandra Andersson, Lining Liu, Jenny Ekman, Otabek Imamov, Margaret E. Jones, Evan R. Simpson, and Jan-Åke Gustafsson, which appeared in issue 34, August 24, 2004, of *Proc. Natl. Acad. Sci. USA* (**101**, 12628–12633; first published August 16, 2004; 10.1073/pnas.0405099101);

(xii) **MEDICAL SCIENCES.** “Characterization of the ER $\beta^{-/-}$ mouse heart,” by Carola Förster, Silke Kietz, Kjell Hultenby, Margaret Warner, and Jan-Åke Gustafsson, which appeared in issue 39, September 28, 2004, of *Proc. Natl. Acad. Sci. USA* (**101**, 14234–14239; first published September 16, 2004; 10.1073/pnas.0405571101);

(xiii) **DEVELOPMENTAL BIOLOGY.** “Estrogen receptor α and imprinting of the neonatal mouse ventral prostate by estrogen,” by Yoko Omoto, Otabek Imamov, Margaret Warner, and Jan-Åke Gustafsson, which appeared in issue 5, February 1, 2005, of *Proc. Natl. Acad. Sci. USA* (**102**, 1484–1489; first published January 21, 2005; 10.1073/pnas.0409168102);

(xiv) **DEVELOPMENTAL BIOLOGY.** “Early onset of puberty and early ovarian failure in CYP7B1 knockout mice,” by Yoko Omoto, Richard Lathe, Margaret Warner, and Jan-Åke Gustafsson, which appeared in issue 8, February 22, 2005, of *Proc. Natl. Acad. Sci. USA* (**102**, 2814–2819; first published February 14, 2005; 10.1073/pnas.0500198102);

(xv) **BIOCHEMISTRY.** “Delineation of a unique protein–protein interaction site on the surface of the estrogen receptor,” by Eric H. Kong, Nina Heldring, Jan-Åke Gustafsson, Eckardt Treuter, Roderick E. Hubbard, and Ashley C. W. Pike, which appeared in issue 10, March 8, 2005, of *Proc. Natl. Acad. Sci. USA* (**102**, 3593–3598; first published February 23, 2005; 10.1073/pnas.0407189102);

(xvi) **NEUROSCIENCE.** “Inactivation of liver X receptor β leads to adult-onset motor neuron degeneration in male mice,” by Sandra Andersson, Nina Gustafsson, Margaret Warner, and Jan-Åke Gustafsson, which appeared in issue 10, March 8, 2005, of *Proc. Natl. Acad. Sci. USA* (**102**, 3857–3862; first published February 28, 2005; 10.1073/pnas.0500634102);

(xvii) **PHYSIOLOGY.** “Muscle GLUT4 regulation by estrogen receptors ER β and ER α ,” by Rodrigo P. A. Barros, Ubiratan F. Machado, Margaret Warner, and Jan-Åke Gustafsson, which appeared in issue 5, January 31, 2006, of *Proc. Natl. Acad. Sci. USA* (**103**, 1605–1608; first published January 19, 2006; 10.1073/pnas.0510391103);

and (xviii) **PHYSIOLOGY**. “Role of estrogen receptor β in colonic epithelium,” by Osamu Wada-Hiraike, Otabek Imamov, Haruko Hiraike, Kjell Hultenby, Thomas Schwend, Yoko Omoto, Margaret Warner, and Jan-Åke Gustafsson, which appeared in issue

8, February 21, 2006, of *Proc. Natl. Acad. Sci. USA* (**103**, 2959–2964; first published February 13, 2006; 10.1073/pnas.0511271103).

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