Corrections

BIOCHEMISTRY

Correction for "Enhancing nuclear receptor-induced transcription requires nuclear motor and LSD1-dependent gene networking in interchromatin granules," by Qidong Hu, Young-Soo Kwon, Esperanza Nunez, Maria Dafne Cardamone, Kasey R. Hutt, Kenneth A. Ohgi, Ivan Garcia-Bassets, David W. Rose, Christopher K. Glass, Michael G. Rosenfeld, and Xiang-Dong Fu, which appeared in issue 49, December 9, 2008, of *Proc Natl Acad Sci USA* (105:19199–19204; first published December 3, 2008; 10.1073/pnas.0810634105).

The authors wish to note, "The legend of Fig. 2*B* should state that the experiment was performed in HMEC cells, rather than in MCF7 cells, similar to the confirmatory experiment presented in Fig. 2*C*." The figure and its corrected legend appear below.

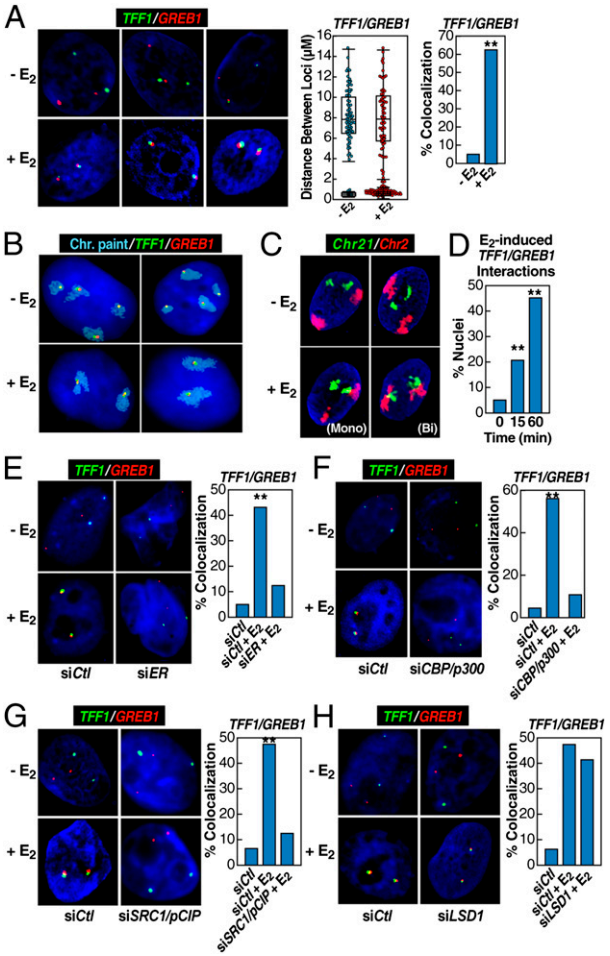

Fig. 2. Rapid induction of interchromosomal interactions by nuclear hormone signaling. (*A*) 3D-FISH confirmation of E_2-induced (60 min) *TFF1:GREB1* interchromosomal interactions in HMECs with the distribution of loci distances measured (box plot with scatter plot) and quantification of colocalization (bar graph) before and after E_2 treatment. Cells exhibiting mono- or biallelic interactions were combined for comparison with cells showing no colocalization; statistical significance in the bar graph was determined by χ^2 test (**, $P < 0.001$). (*B*) 2D FISH confirmation of the interchromosomal interactions in HMEC cells by combining chromosome paint (aqua) and specific DNA probes (green and red). (*Upper*) Illustrates two examples of mock-treated cells. (*Lower*) Shows the biallelic interactions/nuclear reorganization after E_2 treatment for 60 min, exhibiting kissing events between chromosome 21 and chromosome 2. (*C*) Similar analysis on HMECs, but in this case using 3D FISH to paint chromosome 2 (red) and chromosome 21 (green), showing E_2-induced chromosome 2–chromosome 21 interaction. Both assays revealed neither chromosome 21–chromosome 21 nor chromosome 2–chromosome 2 interactions in response to E_2. (*D*) Temporal kinetics of *GREB1*:*TFF1* interactions by 3D FISH in HMECs (**, $P < 0.001$ by χ^2). (*E–G*) Nuclear microinjection of siRNA against *ERα*, *CBP/p300*, or *SRC1/pCIP* prevented E_2-induced interchromosomal interactions, counting both mono- and biallelic interactions (**, $P < 0.001$ by χ^2). The injection of *siER* and *siDLC1* were done in the same experiment, sharing the same control group. (*H*) Nuclear microinjection of siRNA against *LSD1*, which was shown to be required for estrogen-induced gene expression (22), did not block E_2-induced interchromosomal interactions. The injection of *siLSD1* and *SRC1/pCIP* were done in a single experiment, sharing the same control group.

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BIOCHEMISTRY

Update to Correction for "Confinement of caspase-12 proteolytic activity to autoprocessing," by Sophie Roy, Jeffrey R. Sharom, Caroline Houde, Thomas P. Loisel, John P. Vaillancourt, Wei Shao, Maya Saleh, and Donald W. Nicholson, which appeared in issue 11, March 18, 2008, of *Proc Natl Acad Sci USA* (105:4133–4138; first published March 10, 2008; 10.1073/pnas.0706658105).

The authors wish to note: "We recently published corrections to two articles that describe the functional role (1) and enzymology (2) of caspase-12. The figures in these two articles have been thoroughly investigated by a committee at McGill University. With regard to Fig. 6 in the article in PNAS, two findings were determined: First, that republication of the data was a consequence of miscommunication among co-authors working in different locations, and second, that the molecular weight markers were unintentionally mislabeled. The latter issue has recently been corrected (3). The former issue has recently been rectified because figure 4 of the *Nature* article was replaced with a *de novo* independent experiment (4). Interpretation of the experiment and the conclusions of both the PNAS article and the *Nature* article are unaffected by these changes. The authors apologize for any confusion."

1. Saleh M, et al. (2006) Enhanced bacterial clearance and sepsis resistance in caspase-12-deficient mice. *Nature* 440(7087):1064–1068.
2. Roy S, et al. (2008) Confinement of caspase-12 proteolytic activity to autoprocessing. *Proc Natl Acad Sci USA* 105(11):4133–4138.
3. Roy S, et al. (2013) Correction: Confinement of caspase-12 proteolytic activity to autoprocessing. *Proc Natl Acad Sci USA* 110(12):4852.
4. Saleh M, et al. (2013) Corrigendum: Enhanced bacterial clearance and sepsis resistance in caspase-12-deficient mice. *Nature*, 10.1038/nature12181.

www.pnas.org/cgi/doi/10.1073/pnas.1323789111

IMMUNOLOGY

Correction for "MicroRNA-directed program of cytotoxic CD8+ T-cell differentiation," by Sara Trifari, Matthew E. Pipkin, Hozefa S. Bandukwala, Tarmo Äijö, Jed Bassein, Runqiang Chen, Gustavo J. Martinez, and Anjana Rao, which appeared in issue 46, November 12, 2013, of *Proc Natl Acad Sci USA* (110:18608–18613; first published October 25, 2013; 10.1073/pnas.1317191110).

The authors note that the accession number for the GEO database is GSE51393.

www.pnas.org/cgi/doi/10.1073/pnas.1400120111

MEDICAL SCIENCES, ENGINEERING

Correction for "Generation of functionally competent and durable engineered blood vessels from human induced pluripotent stem cells," by Rekha Samuel, Laurence Daheron, Shan Liao, Trupti Vardam, Walid S. Kamoun, Ana Batista, Christa Buecker, Richard Schäfer, Xiaoxing Han, Patrick Au, David T. Scadden, Dan G. Duda, Dai Fukumura, and Rakesh K. Jain, which appeared in issue 31, July 30, 2013, of *Proc Natl Acad Sci USA* (110:12774–12779; first published July 16, 2013; 10.1073/pnas.1310675110).

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