

Correction

NEUROSCIENCE

Correction for "Efficient production of mesencephalic dopamine neurons by Lmx1a expression in embryonic stem cells," by Stina Friling, Elisabet Andersson, Lachlan H. Thompson, Marie E. Jönsson, Josephine B. Hebsgaard, Evanthia Nanou, Zhanna Alekseenko, Ulrika Marklund, Susanna Kjellander, Nikolaos Volakakis, Outi Hovatta, Abdeljabbar El Manira, Anders Björ-

klund, Thomas Perlmann, and Johan Ericson, which appeared in issue 18, May 5, 2009, of *Proc Natl Acad Sci USA* (106:7613–7618; first published April 21, 2009; 10.1073/pnas.0902396106).

The authors note that the legend for Fig. 5 appeared incorrectly. The figure and corrected legend appear below. This error does not affect the conclusions of the article.

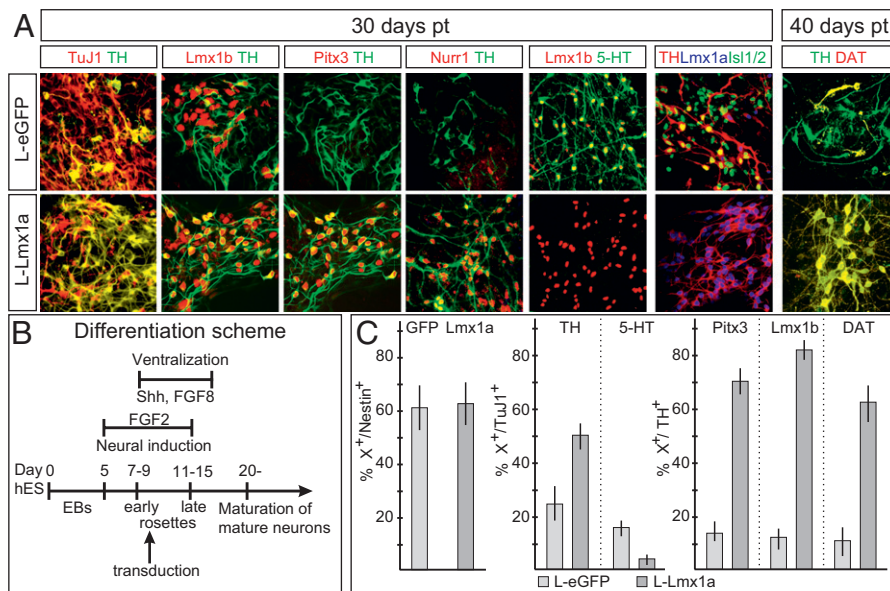


Fig. 5. Lmx1a promotes mesDA^{hES} neurons in differentiating hESCs. hESC-derived neuroepithelial progenitors were infected with lentiviral (L) vectors carrying Lmx1a or eGFP and analyzed at day 30 to 40 pt. (A) In L-Lmx1a-infected cultures, >50% of TuJ1⁺ neurons co-expressed TH at day 30 pt compared with 25% in L-eGFP-infected cultures. Most TH⁺ neurons co-expressed mesDA markers, e.g., Lmx1b, Pitx3, Nurr1, and DAT, whereas markers for 5-HT neurons were suppressed. Few TH⁺ neurons derived from L-eGFP-infected cells co-expressed mesDA markers. Note that the expression of TH, Lmx1b, and Pitx3 shown in images 2 and 3 from the left originates from a triple immunocytochemistry of L-eGFP (*Upper*) or L-Lmx1a (*Lower*) transduced cells. The expression of Lmx1b and Pitx3 is for the reason of clarity presented in separate images using TH as a reference marker. (B) Differentiation scheme. (C) Quantification of marker expression. Error bars indicate SD, *n* = 4.

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