



OPEN

# Author Correction: Prestin kinetics and corresponding frequency dependence augment during early development of the outer hair cell within the mouse organ of Corti

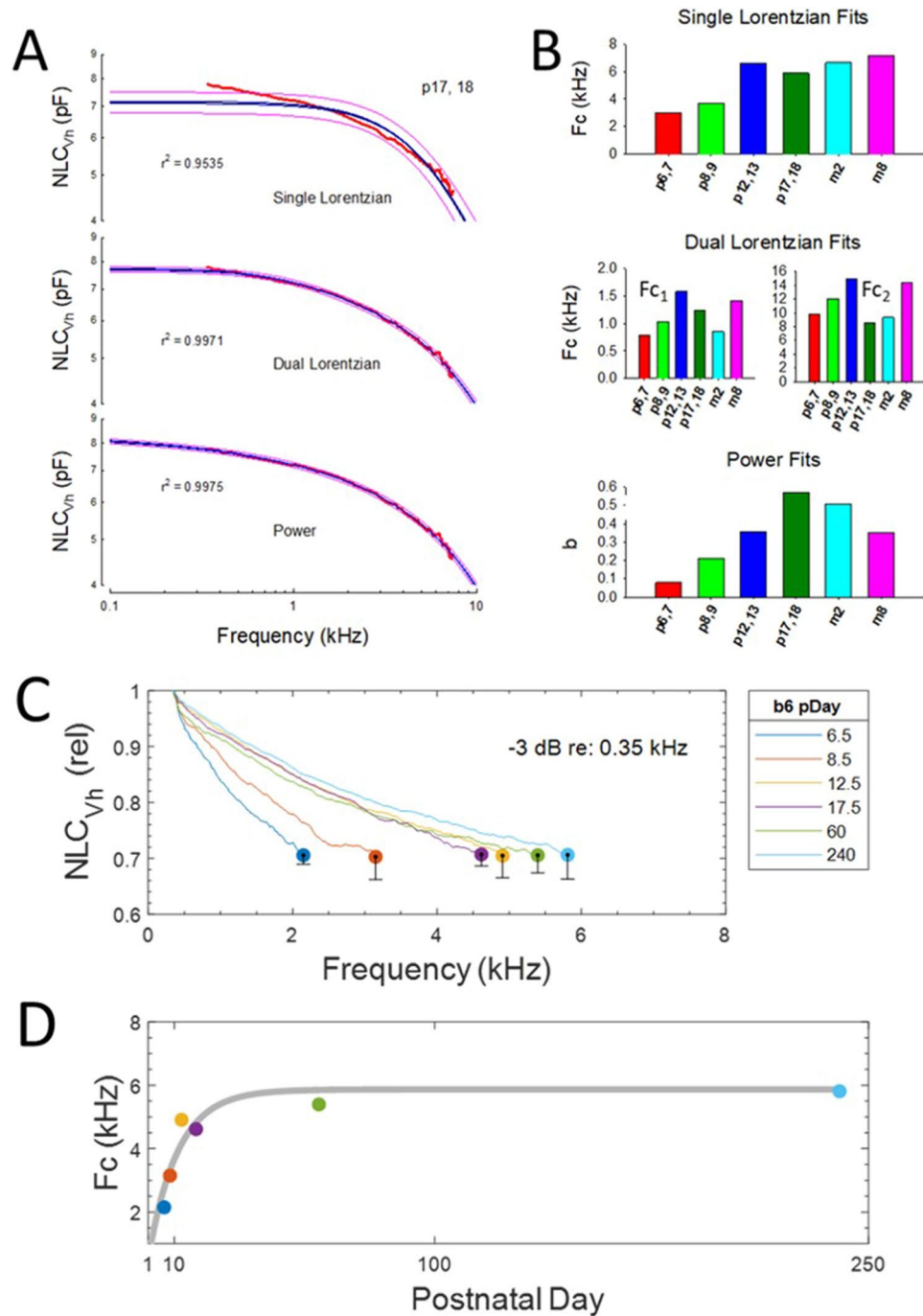
Jun-Ping Bai, Dhasakumar Navaratnam & Joseph Santos-Sacchi

Correction to: *Scientific Reports* <https://doi.org/10.1038/s41598-019-52965-1>, published online 11 November 2019

This Article contains an error in Figure 5C where the SEM error bars are reported incorrectly.

The correct Figure 5 appears below as Figure 1.

Published online: 27 August 2020



**Figure 1.** Changes in frequency response of NLC during aging. (A) Three types of fits to mean  $NLC_{Vh}$  were performed to estimate frequency roll-off. Examples of the 3 fits for p17/18 OHCs are shown. Blue line is fit and red lines are 95% confidence predictions of the fits (done in Sigmaplot). The poorest fit is with a single Lorentzian, followed by dual Lorentzian and power fits ( $f$  in kHz). Nevertheless, each provides evidence for increases in frequency responsiveness during development. The  $\langle a \rangle$  parameter, as all others, was not constrained, but was not age-dependent and similar for all fits [p6,7 - m8: -1.4055, -1.3548, -1.5980, -1.1960, -1.1552, -1.5031; mean  $\pm$  se -1.369 (0.07)]. The small se indicates little variability. (B) Bar plots of frequency cut-off parameters of the fits. (C) Another metric of frequency response roll-off was to determine the -3 dB magnitude of  $NLC_{Vh}$  relative to 350 Hz values, denoted here with circles. It should be noted that the  $F_c$ 's simply reflect the relative roll-off during aging, and their absolute values will differ depending on the reference frequency. During the life span,  $F_c$  increases. The se indicates the variability at the cut-off frequencies. (D) The  $F_c$  data were fit to a power law function in Matlab (grey line;  $F_c = a \cdot (1 - b \cdot \text{pDay})$ ), where  $a = 5.867$  and  $b = 0.9065$ ;  $R^2 = 0.849$ ), and indicates a stabilization near 6 kHz. P6,7  $n = 7$ ; p8,9  $n = 7$ ; p12,13  $n = 6$ ; p17,18  $n = 8$ ; 2 month  $n = 8$ ; 8 month  $n = 9$ .



**Open Access** This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons license, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons license, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons license and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this license, visit <http://creativecommons.org/licenses/by/4.0/>.

© The Author(s) 2020