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Corrigendum

Corrigendum to "Investigation of Hepatoprotective Activity of Induced Pluripotent Stem Cells in the Mouse Model of Liver Injury"

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In the article titled "Investigation of Hepatoprotective Activity of Induced Pluripotent Stem Cells in the Mouse Model of Liver Injury" [1], a duplication within Figure 1(b) was mistakenly introduced. The authors have stated that this was due to an error when preparing the files for publication and have now repeated the experiment to validate the accuracy and reproducibility of their study.

To take into account the continuity of the hepatocyte differentiation from iPSCs to mature iPSC-derived hepatocytes, the authors have provided new images for Figures 1(a) and 1(b). Additionally, due to the poor resolution of Figure 2 in [1], the authors have provided a revised figure. New Figures 1 and 2 are shown below.

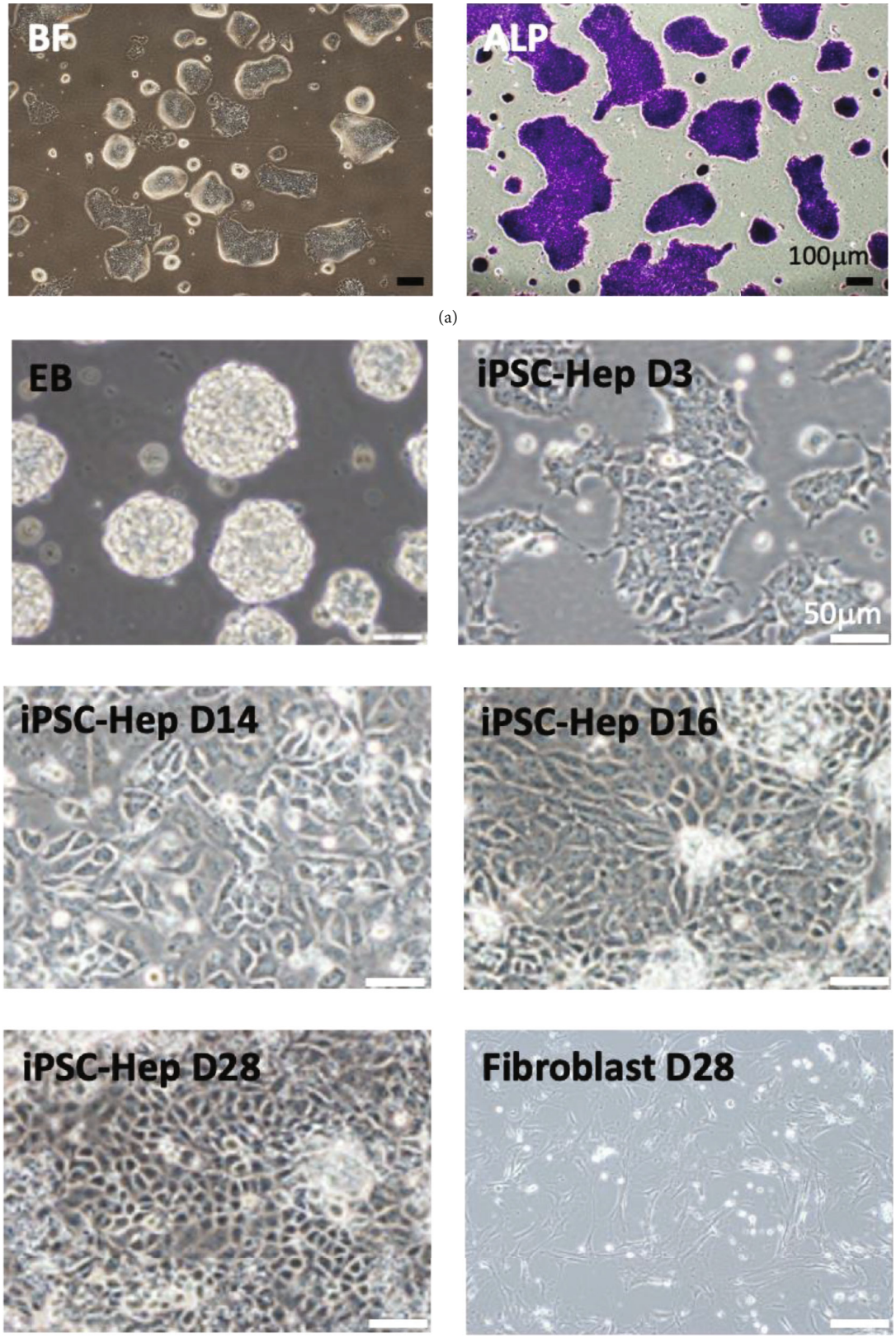

Figure 1: In vitro differentiation of iPSCs into iPSC-Heps. iPSCs were seeded at 2×10^4 cells/cm^2, maintained in Dulbecco's modified Eagle's medium. (a) Left: morphology of iPSC colonies. Right: iPSC colonies were positive for alkaline phosphate stain (purple). (b) The hepatogenic differentiation was induced by a 2-step procedure as described in Section 2. Morphology of undifferentiated and differentiated iPSCs was evaluated at different days after hepatogenic differentiation.

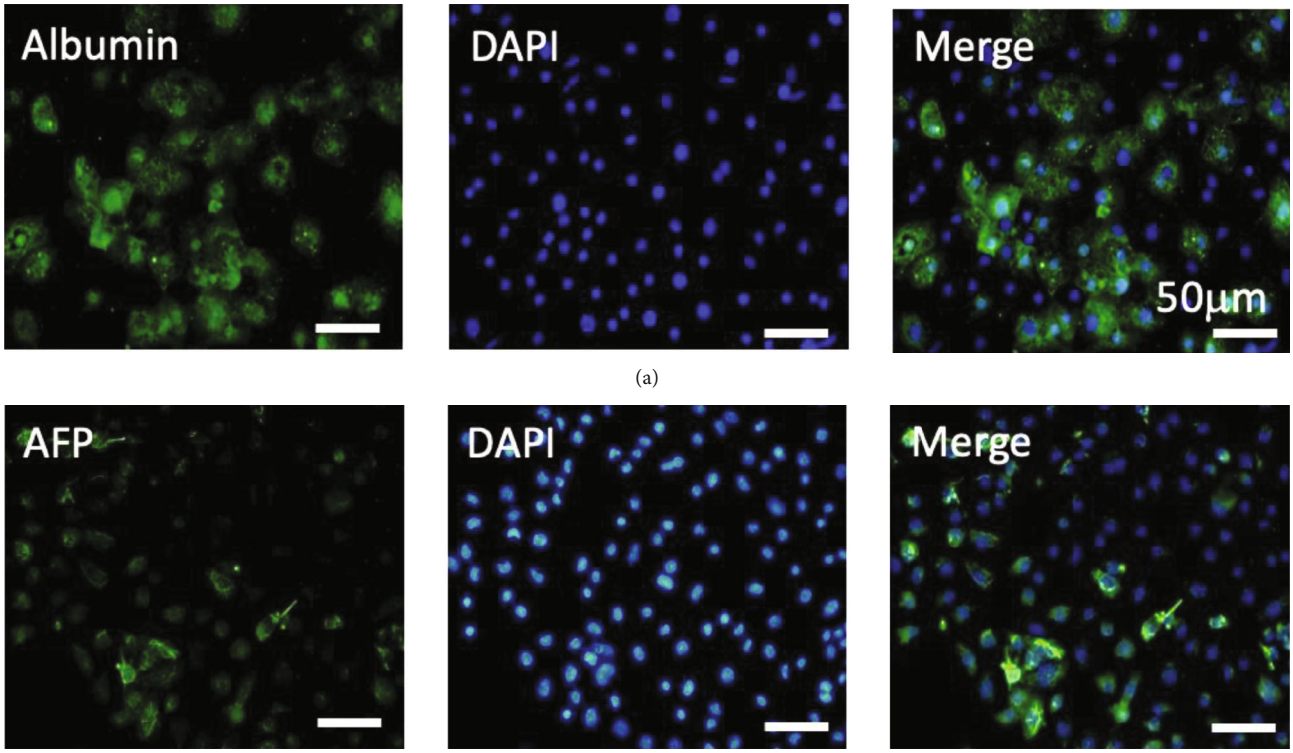

Figure 2: Immunofluorescence staining for several hepatocyte-specific markers in iPSC-Heps. Immunostaining imaging (800x) results showed that several hepatocyte-specific markers were detected by using (a) anti-AFP antibody and (b) anti-albumin antibody in iPSC-Heps. Blue signal indicated DAPI-positive cells.

References

[1] C.-H. Chiang, C.-C. Chang, H.-C. Huang et al., "Investigation of Hepatoprotective Activity of Induced Pluripotent Stem Cells in the Mouse Model of Liver Injury," *Journal of Biomedicine and Biotechnology*, vol. 2011, Article ID 219060, 11 pages, 2011.