

## RETRACTION

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## Retraction: Growth factors regional patterned and photoimmobilized scaffold applied to bone tissue regeneration

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Retraction of 'Growth factors regional patterned and photoimmobilized scaffold applied to bone tissue regeneration' by Ling-Kun Zhang et al., *J. Mater. Chem. B*, 2020, **8**, 10990–11000, <https://doi.org/10.1039/D0TB02317E>.

The Royal Society of Chemistry hereby wholly retracts this *Journal of Materials Chemistry B* article due to concerns with the integrity of the data.

In Fig. 2B, the *tert*-butyl hydroperoxide 10 min and 20 min panels are duplicated.

In Fig. 4K, there are multiple partially or fully duplicated panels, including heart panels (b) and (d), liver panels (d) and (f), spleen panels (b) and (e), kidney panels (b) and (f) and kidney panels (c) and (d).

The western blot panels for Osteocalc(11 KD) in Fig. 3A<sub>2</sub> and type II collagen (9 KD) in Fig. 3B<sub>2</sub> are identical.

The authors were unable to provide raw data for all the western blot images in the article. The raw western blot images that were provided by the authors were analysed and compared with the published images. Based on this analysis, the raw data provided for the majority of the images did not fully match the published blots. In addition, in a number of raw data panels, there was clear evidence that an erasing tool had been applied to the raw data. Therefore, the raw data provided by the authors cannot be used as verifiable raw data to validate the published images.

Given the significance of the concerns about the validity of both the data in the article and the raw data provided by the authors, the findings in this paper are not reliable.

The authors have been informed about the retraction of the article but have not responded.

Signed: Michaela Mühlberg, Executive Editor, *Journal of Materials Chemistry B*

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