

RETRACTION

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Cite this: *Food Funct.*, 2021, **12**, 5187

Retraction: Ginsenoside Rf alleviates dysmenorrhea and inflammation through the BDNF-TrkB-CREB pathway in a rat model of endometriosis

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DOI: 10.1039/d1fo90040d
rsc.li/food-function

Retraction of 'Ginsenoside Rf alleviates dysmenorrhea and inflammation through the BDNF-TrkB-CREB pathway in a rat model of endometriosis' by Xuying Qin *et al.*, *Food Funct.*, 2019, **10**, 244–249, DOI: 10.1039/C8FO01839A.

The Royal Society of Chemistry hereby wholly retracts this *Food & Function* article due to concerns with the reliability of the data. The images in the article, and the raw data provided by the authors, were screened by an image integrity expert. There are splice marks in two of the western blot panels in Fig. 6A (BDNF and p-CREB), indicating that the images may have been manipulated. Furthermore, the raw data does not look genuine as while the bands match the figure, the backgrounds do not. The rows of bands may have been added to false background to generate the raw data. Therefore, the raw data provided by the authors cannot be used to validate the published data. 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 presented in this paper are not reliable.

The authors have been informed but have not responded to any correspondence regarding the retraction.

Signed: Philippa Ross, Executive Editor, *Food & Function*

Date: 23rd April 2021

