



Cite this: *Chem. Commun.*, 2020, 56, 664

DOI: 10.1039/c9cc90547b

rsc.li/chemcomm

Correction: Fluorescence imaging of a potential diagnostic biomarker for breast cancer cells using a peptide-functionalized fluorogenic 2D material

Wei-Tao Dou,^a Li-Fang Liu,^{ab} Jie Gao,^{ab} Yi Zang,^{*b} Guo-Rong Chen,^a Robert A. Field,^c Tony D. James,^d Jia Li^{*b} and Xiao-Peng He^{*a}

Correction for 'Fluorescence imaging of a potential diagnostic biomarker for breast cancer cells using a peptide-functionalized fluorogenic 2D material' by Wei-Tao Dou *et al.*, *Chem. Commun.*, 2019, **55**, 13235–13238.

The authors regret that an incorrect image was included in error in Fig. 4a of the original article. In the fluorescence images of MCF-7 cells, the second panel image (treatment of MCF-7 cells with 2.5 μ M **TAMRA-AN33**) was unintentionally used again for the third panel (treatment of MCF-7 cells with 5 μ M **TAMRA-AN33**). The correct version of Fig. 4 is shown below. This correction does not alter any of the results or conclusions in the paper.

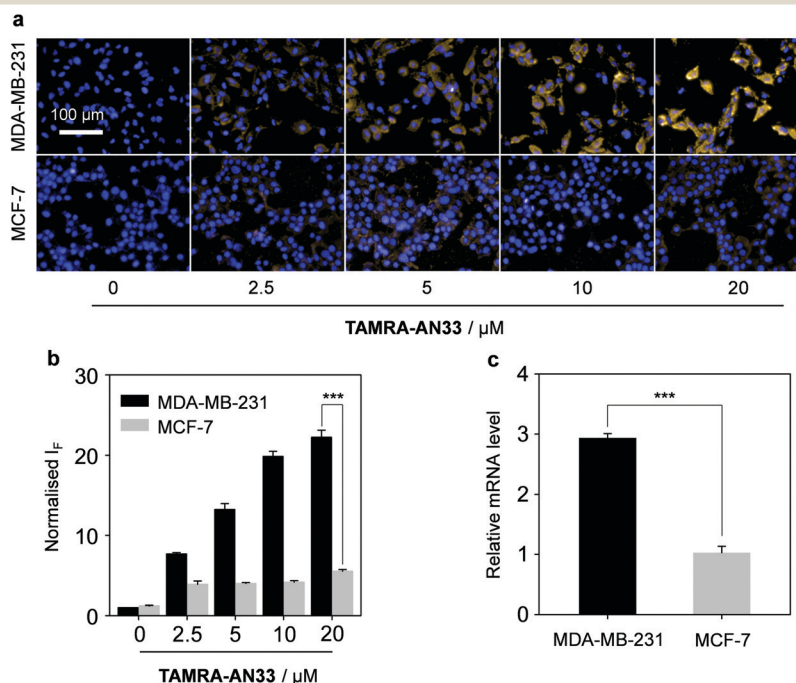


Fig. 4 (a) Fluorescence imaging and (b) quantification ($***P < 0.001$) of MDA-MB-231 and MCF-7 cell lines incubated with increasing **TAMRA-AN33** (0, 2.5, 5, 10 and 20 μ M); (c) measuring the relative mRNA level of PROC in MDA-MB-231 and MCF-7 cells by real-time quantitative polymerase chain reaction ($***P < 0.001$). Scale bar = 100 μ m; the excitation and emission channels used are 460–500 nm and 560–630 nm, respectively. The cell nuclei were stained by Hoechst 33342.

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

^a Key Laboratory for Advanced Materials, Feringa Nobel Prize Scientist Joint Research Center, School of Chemistry and Molecular Engineering, East China University of Science and Technology, 130 Meilong Rd, Shanghai 200237, China. E-mail: xphe@ecust.edu.cn

^b National Center for Drug Screening, State Key Laboratory of Drug Research, Shanghai Institute of Materia Medica, Chinese Academy of Sciences, 189 Guo Shoujing Rd, Shanghai 201203, P. R. China. E-mail: yzang@simm.ac.cn

^c Department of Biological Chemistry, John Innes Centre, Norwich Research Park, Norwich NR4 7UH, UK

^d Department of Chemistry, University of Bath, Bath, BA2 7AY, UK

