

RETRACTION

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Retraction: Differential detection and quantification of cyclic AMP and other adenosine phosphates in live cells

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Retraction of 'Differential detection and quantification of cyclic AMP and other adenosine phosphates in live cells' by Sujoy Das *et al.*, *Chem. Commun.*, 2017, **53**, 7600–7603.

We, the named authors, hereby wholly retract this *Chemical Communications* article as upon repeating the experiments described we have found that the results presented in Fig. 2, 3, 5 and Scheme 1 in the paper are not reproducible and therefore are unreliable.

The authors regret and apologize that there may have been some fluorescence impurity/contamination with cAMP when they conducted their original experiments. The authors sincerely apologize for their unwilling and unwanted mistake.

The repeated results have shown that the UV-vis absorption and fluorescence emission spectra of cAMP reported in the article are incorrect. Addition of cAMP to NpRD did not result in a blue-shifted yellow fluorescence at 562 nm as originally reported but rather a pale orange fluorescence at 583 nm at the same wavelength as ATP and ADP. The repeated results also show that the visual and fluorescence color changes originally reported are incorrect, and that cAMP does not show yellow fluorescence as reported in the article. These results show that the sensor is not selective for cAMP as reported in the article.

Therefore, this article is being retracted to avoid misleading readers and to protect the accuracy and integrity of the scientific record.

This retraction supersedes the information provided in the Expression of Concern related to this article.

Signed: Sujoy Das, Himadri Sekhar Sarkar, Md Raihan Uddin, Kari Rissanen, Sukhendu Mandal and Prithidipa Sahoo

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Retraction endorsed by Richard Kelly, Executive Editor, *Chemical Communications*

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