Cyclodextrin-complexed curcumin exhibits anti-inflammatory and antiproliferative activities superior to those of curcumin through higher cellular uptake (vol 80, vol 1021, 2010)

Yadav, Vivek R.

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Retraction notice

Retraction notice to "Cyclodextrin-complexed curcumin exhibits anti-inflammatory and antiproliferative activities superior to those of curcumin through higher cellular uptake" [Biochem. Pharmacol. 80 (2010) 1021–1032]

Vivek R. Yadav[a], Sahdeo Prasad[a], Ramaswamy Kannappan[a], Jayaraj Ravindran[a], Madan M. Chaturvedi[a,1], Lauri Vaahtera[b], Jaakko Parkkinen[b,2], Bharat B. Aggarwal[a,*]

[a] Cytokine Research Laboratory, Department of Experimental Therapeutics, The University of Texas M.D. Anderson Cancer Center, 1515 Holcombe Boulevard, Unit 143, Houston, TX, United States
[b] Department of Biomedicine/Biochemistry, University of Helsinki, Helsinki, Finland

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This article has been retracted at the request of the Editor.

Fig. 1A (3rd lane; CDC) was manipulated by replicating an image of a control lane from Fig. 1C (left lane) to represent different experimental conditions.

Fig. 1D, of nuclei isolated from cells in medium ("Nuclei/Medium"), was reused in Fig. 1G in reference [1], to represent different experimental conditions (nuclei of cells treated with γ-T3; "Nuclei/γ-T3").

Images in Fig. 5A were reused to represent different experimental conditions: curcumin uptake by KBM-5 cells treated with curcumin alone at 30 min, and curcumin uptake by KBM-5 cells treated with cyclodextrin-complexed curcumin (CDC) at 45 min.

Images from Fig. 5A were reused in Fig. 2A of Ref. [2] to represent different experimental conditions: four of the control images of cellular uptake of curcumin shown in Fig. 5A (45, 60, 120 and 180 min) are also shown in Fig. 2A (45, 60, 120 and 180 min) of Ref. [2].

The article has been retracted because the data integrity has become questionable.

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* Corresponding author. Tel.: +1 713 794 1817; fax: +1 713 606 3399.
E-mail address: aggarwal@mdanderson.org (B.B. Aggarwal).
[1] Present address: Department of Zoology, University of Delhi, Delhi 110007, India.
[2] Dr. Jaakko Parkkinen is an inventor in a patent application on the cyclodextrin curcumin and is a share holder in a company that owns the rights for the patent application.

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