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## CORRECTION

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## Correction: Electrostatically modulated magnetophoretic transport of functionalised ironoxide nanoparticles through hydrated networks

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Correction for 'Electrostatically modulated magnetophoretic transport of functionalised iron-oxide nanoparticles through hydrated networks' by Stephen Lyons et al., Nanoscale, 2020, 12, 10550-10558, DOI: 10.1039/D0NR01602K.

This erratum relates to Fig. 3 and 4 in the published manuscript, where the labels of both y-axes as given are incorrect. The label given in the published manuscript for both figures is  $v_{\rm exp}/d_{\rm hyd}$ . This should be corrected to  $v_{\rm exp}\cdot d_{\rm hyd}$  and the units should be mm<sup>2</sup> h<sup>-1</sup>. The numerical values for the data are correct and remain unchanged (hence, it is a mis-labelling). The same labelling error  $(v_{exp}/d_{hyd})$  in place of  $v_{exp}/d_{hyd}$  was made in two places in the text (page 10555 in the "Electrostatic effects on magnetophoretic mobility" section). The scaling of the  $v_{\text{exp}}$  values in this way (as a product with  $d_{\text{hyd}}$ ) is consistent with expectation, as formulated by eqn (1). Hence, there is no change to the interpretation of the results or any of the conclusions.

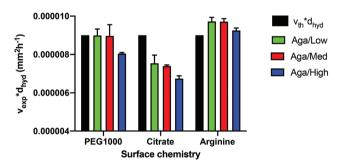


Fig. 3 Normalised magnetophoretic velocities,  $v_{\text{exp}} \cdot d_{\text{hyd}}$ , for PEG1000, citrate-, and arginine-MNP suspensions through the different classes of  $agarose-H_2O$  (Aga/Low, Aga/Med, Aga/High) (0.3% w/v). Error bars are included for all functionalised MNPs. The  $v_{th}$   $d_{hyd}$  values are represented as black bars.

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Correction

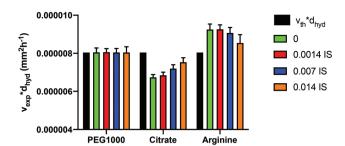


Fig. 4 Normalised magnetophoretic velocities,  $v_{\rm exp} \cdot d_{\rm hyd}$ , for PEG1000-, arginine- and citrate-MNP suspensions through agarose-PBS (Aga/High, 0.3% w/v). MNP suspensions and agarose gels were prepared in PBS buffer to give IS of 0, 0.0014, 0.007 and 0.014 at pH 7.0. The  $v_{\rm th} \cdot d_{\rm hyd}$  values are represented as black bars.

**Surface chemistry** 

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