Correction: Structural heterogeneity of milk casein micelles: a SANS contrast variation study

Antoine Bouchoux,‡*ab Jorge Ventureira,ab Geneviève Gésan-Guiziou,ab Fabienne Garnier-Lambrouin,ab Peng Qu,ab Coralie Pasquier,ab Stéphane Pézenne,c and Bernard Cabaned


The original manuscript contained an error in the labelling of the y-axis in Fig. 7, and in the graphical abstract. Please see the corrected figures below:

Graphical Abstract

Fig. 7 Using non-homogeneous structural models for modeling the variation of \( R_g \) with contrast: an example with casein micelles from fresh milk (FM_s1). The description of the core–shell models is in the text. (A) gives the variation of the apparent radius of gyration \( R_g \) (i.e., including the contribution of fat droplets) as a function of \( D_2O \) content. In (B), we use a representation similar to the one used by Stuhrmann,10 and that consists of plotting the squared radius of gyration of the casein micelle population \( R_{g,CM}^2 \) (i.e., without the contribution of fat droplets) as a function of the reciprocal of the contrast of the micelles, \( 1/R_{CM} \). Details about the calculation of \( R_{g,CM}^2 \) and \( 1/R_{CM} \) from the experimental data are given in ESI part F.

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

‡ Present address: Laboratoire d’Ingénierie des Systèmes Biologiques et des Procédés/LISBP, UMR5504/792 INRA-CNRS-INSA, 135 avenue de Rangueil, F-31077 Toulouse Cedex 04, France.

1INRA, UMR1253 Science et Technologie du Lait et de l’Œuf, F-35042 Rennes, France. E-mail: Antoine.Bouchoux@insa-toulouse.fr
2Agrocampus Ouest, UMR1253 Science et Technologie du Lait et de l’Œuf, F-35042 Rennes, France
3Institut Laue-Langevin, DS/LSS group, F-38042 Grenoble Cedex 9, France
4Laboratoire CBI, CNRS UMR8231, ESPCI, 10 rue Vauquelin, F-75231 Paris Cedex 05, France

Cite this: Soft Matter, 2015, 11, 806
DOI: 10.1039/c4sm01705f
www.rsc.org/softmatter