



UNIVERSITY OF LEEDS

This is a repository copy of *Corrigendum to 'Molecular insights into the behaviour of bile salts at interfaces: a key to their role in lipid digestion'*. [*Journal of Colloid and Interface Science* 556 (2019) 266–277].

White Rose Research Online URL for this paper:
<https://eprints.whiterose.ac.uk/180880/>

Version: Accepted Version

Article:

Pabois, O orcid.org/0000-0001-5307-7149, Lorenz, CD, Harvey, RD et al. (5 more authors) (2020) Corrigendum to 'Molecular insights into the behaviour of bile salts at interfaces: a key to their role in lipid digestion'. [*Journal of Colloid and Interface Science* 556 (2019) 266–277]. *Journal of Colloid and Interface Science*, 568. pp. 282-283. ISSN 0021-9797

<https://doi.org/10.1016/j.jcis.2020.03.024>

Reuse

This article is distributed under the terms of the Creative Commons Attribution-NonCommercial-NoDerivs (CC BY-NC-ND) licence. This licence only allows you to download this work and share it with others as long as you credit the authors, but you can't change the article in any way or use it commercially. More information and the full terms of the licence here: <https://creativecommons.org/licenses/>

Takedown

If you consider content in White Rose Research Online to be in breach of UK law, please notify us by emailing eprints@whiterose.ac.uk including the URL of the record and the reason for the withdrawal request.



eprints@whiterose.ac.uk
<https://eprints.whiterose.ac.uk/>

Corrigendum

Corrigendum to 'Molecular insights into the behaviour of bile salts at interfaces: a key to their role in lipid digestion' [Journal of Colloid and Interface Science, 556 (2019) 266-277].

Olivia Pabois^{a, b}, Christian D. Lorenz^c, Richard D. Harvey^d, Isabelle Grillo^a, Myriam M.-L. Grundy^e, Peter J. Wilde^f, Yuri Gerelli^{a*}, Cécile A. Dreiss^{b*}

^a Institut Laue-Langevin, Grenoble 38000, France

^b School of Cancer and Pharmaceutical Sciences, Institute of Pharmaceutical Science, King's College London, London SE1 9NH, United-Kingdom

^c Department of Physics, King's College London, London WC2R 2LS, United-Kingdom

^d Institut für Pharmazie, Martin-Luther-Universität Halle-Wittenberg, Halle (Saale) 06099, Germany

^e School of Agriculture, Policy and Development, University of Reading, Reading RG6 6AR, United-Kingdom

^f Quadram Institute Bioscience, Norwich Research Park, Norwich NR4 7UA, United-Kingdom

The authors regret inverting the symbols colours in Figures 5 and 10. Amended captions are shown below. The authors would like to apologise for any inconvenience caused.

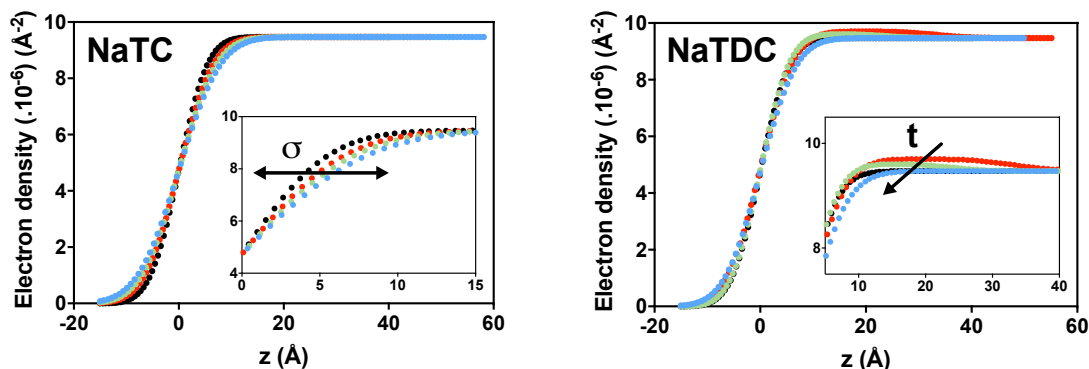


Figure 5: Evolution of the electron density profile of the interfacial film along the direction perpendicular to the surface (z) obtained from XRR by successive injections of BS into the aqueous subphase: NaTC, NaTDC (at $23 \pm 2^\circ\text{C}$). BS concentrations below (\bullet) 1 mM), around (\bullet) 5 mM), and above (\bullet) 10 mM) their CMC were selected because different interfacial behaviours were observed with the LT. The electron density profile of the bare air/water interface (\bullet) is also shown.

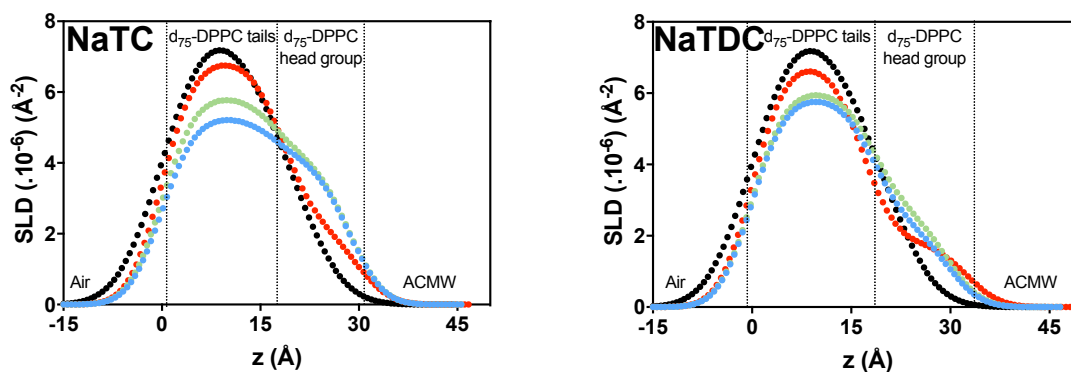


Figure 10: Evolution of the scattering length density (SLD) profile of the interfacial film along the direction perpendicular to the surface (z) obtained by successive injections of BS into the aqueous subphase: NaTC, NaTDC (at $23 \pm 2^\circ\text{C}$). The lipids were spread onto water at $\pi_{\text{DPPC}} = 25 \pm 2 \text{ mN/m}$, thus forming a pure monolayer (\bullet). BS concentrations below (\bullet) 1 mM), around (\bullet) 5 mM), and above (\bullet) 10 mM) their CMC were selected because different interfacial behaviours were observed with the LT. These SLD profiles were recorded in ACMW (SLD of 0), on which a d_{75} -DPPC monolayer (SLD of $7.66 \cdot 10^{-6} \text{ \AA}^{-2}$ for the tails and $5.68 \cdot 10^{-6} \text{ \AA}^{-2}$ for the head group) was prepared; NaTC has a SLD of $0.95 \cdot 10^{-6} \text{ \AA}^{-2}$ and NaTDC of $0.90 \cdot 10^{-6} \text{ \AA}^{-2}$. The SLD profiles obtained in the other conditions of contrast are displayed in Supporting Information (Figure S12).

DOI of original article: [10.1016/j.jcis.2019.08.010](https://doi.org/10.1016/j.jcis.2019.08.010)

Cécile A. Dreiss:

King's College London

School of Cancer & Pharmaceutical Sciences

Franklin-Wilkins Building

150 Stamford Street
SE1 9NH London, UK
Tel: +44 (0)207 848 3766

Yuri Gerelli:

Institut Max von Laue - Paul Langevin
71 avenue des Martyrs
38000 Grenoble, France
Tel: +33 (0)4 76 20 70 68

cecile.dreiss@kcl.ac.uk; gerelli@ill.fr