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## Correction: Intelligent antibacterial surface based on ionic liquid molecular brushes for bacterial killing and release

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Correction for 'Intelligent antibacterial surface based on ionic liquid molecular brushes for bacterial killing and release' by Lunqiang Jin *et al.*, *J. Mater. Chem. B*, 2019, 7, 5520–5527, <https://doi.org/10.1039/C9TB01199D>.

The authors regret errors in Fig. 2b and c, 4c and 7c.

During the manuscript preparation, the SEM data in the left-hand panel in Fig. 2b, the right-hand panel in Fig. 2b and the top-right panel in Fig. 7c were edited to remove contaminants, the AFM data in the right hand panel in Fig. 2c was edited to remove shadows, and the EDS mapping images for C/N/O/S/Br, C and N in Fig. 4c are incorrect.

The authors became aware of the concerns and have repeated the experiments in triplicate.

An independent expert has viewed the corrected images and the replicated experimental raw data, and has concluded that they are consistent with the discussions and conclusions presented.

The corrected figures, with the original data, are shown below (it should be noted that the labels are unchanged).

The authors sincerely apologize for this mistake in the preparation of the article and apologize for any inconvenience caused.

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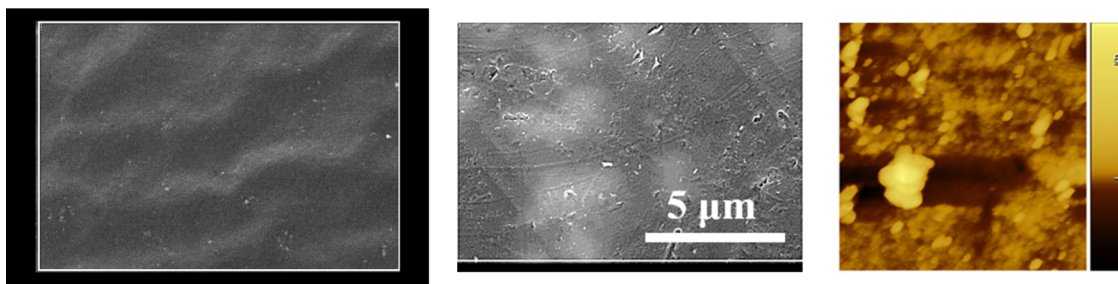


Fig. 2 (b) The SEM image of the PES membrane and the SEM image of the IL(Br)/PDA@PES membrane. (c) AFM image of the IL(Br)/PDA@PES membrane (scale bar:  $2 \times 2 \mu\text{m}$ ).

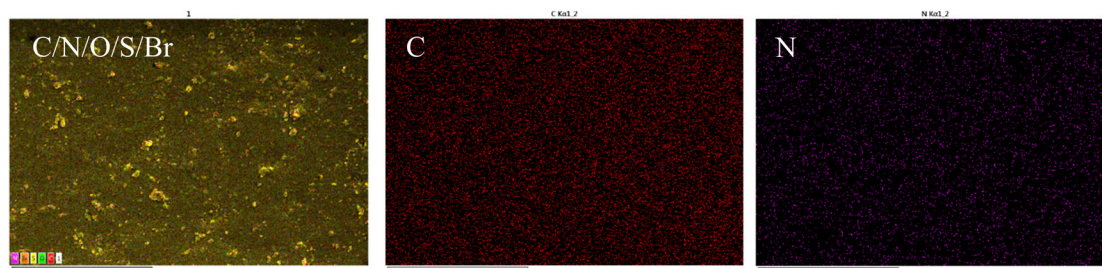


Fig. 4 (c) EDS mapping overlap layer, and EDS mapping images of C and N for IL(Br)/PDA@PES.

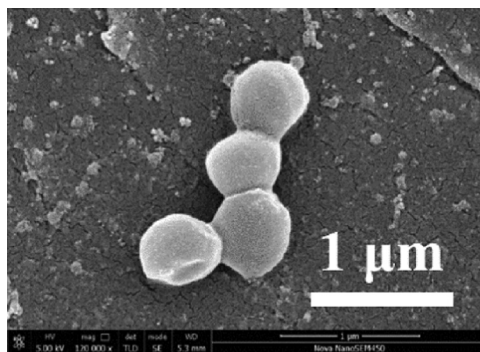


Fig. 7 (c) The image of *S. aureus* attachment on the membrane surface of IL(Br)/PDA@PES.

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

