

Published online: 21 May 2019

OPEN Publisher Correction: Complementdependent outer membrane perturbation sensitizes Gramnegative bacteria to Gram-positive specific antibiotics

D. A. C. Heesterbeek¹, N. I. Martin², A. Velthuizen¹, M. Duijst¹, M. Ruyken¹, R. Wubbolts³, S. H. M. Rooijakkers¹ & B. W. Bardoel 10 1

Correction to: Scientific Reports https://doi.org/10.1038/s41598-019-38577-9, published online 28 February 2019

In the original version of this Article, a reference was omitted. This reference has now been added as Reference 17 and the original References 17-44 are now listed as References 18-45, respectively.

As a result, in the Introduction section,

"Recently we observed that when the MAC properly forms pores in the outer membrane of E. coli, this triggers inner membrane damage and killing (Heesterbeek et al., accepted for publication in EMBO journal, see attached manuscript)."

now reads:

"Recently we observed that when the MAC properly forms pores in the outer membrane of E. coli, this triggers inner membrane damage and killing¹⁷.

In the Methods section, under subheading 'Complement-mediated outer membrane damage is more efficient than inner membrane damage,

"In order to study how the MAC kills bacteria, we used a flow cytometry based assay to measure serum-induced outer and inner membrane damage in E. coli (Heesterbeek et al., accepted for publication in EMBO journal, see attached manuscript)."

now reads:

"In order to study how the MAC kills bacteria, we used a flow cytometry based assay to measure serum-induced outer and inner membrane damage in E. coli¹⁷."

Finally, in the Discussion/Conclusion section,

"We recently showed that proper insertion of the MAC into the outer membrane triggers inner membrane damage, which is essential for killing (Heesterbeek et al., accepted for publication in EMBO journal, see attached manuscript)."

¹Medical Microbiology, University Medical Center Utrecht, Utrecht University, Utrecht, Netherlands. ²Institute of Biology Leiden, Leiden University, Leiden, Netherlands. ³Department of Biochemistry and Cell Biology, Utrecht University, Utrecht, Netherlands. Correspondence and requests for materials should be addressed to B.W.B. (email: b.w.bardoel-2@umcutrecht.nl)

now reads:

"We recently showed that proper insertion of the MAC into the outer membrane triggers inner membrane damage, which is essential for killing¹⁷.

This error has been corrected in the PDF and HTML versions of the article.

Open Access This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons license, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons license, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons license and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this license, visit http://creativecommons.org/licenses/by/4.0/.

© The Author(s) 2019