

Corrigendum to “Membrane tension evolution and mechanical regulation of melittin-induced membrane poration”

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CORRIGENDUM

Corrigendum to "Membrane tension evolution and mechanical regulation of melittin-induced membrane poration"

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During the preparation of follow-up work based on the simulation dataset reported in this paper [*Chin. Phys. B* **33** 108701 (2024)], we rechecked the original simulation parameter files and identified two inaccuracies in the methodological description in Section 2.4.1, introduced when the Methods section was written. To ensure the accuracy and reproducibility of the reported methodology, we correct these statements below. These corrections do not affect the simulation trajectories, analyses, results, or main conclusions of the paper.

Keywords: corrigendum, membrane tension, mechanical regulation, membrane poration, giant unilamellar vesicle leakage assay

PACS: 99.10.–x, 87.16.D–, 87.15.K–, 87.15.ap, 87.15.La

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In the paper,[1] two methodological details in Section 2.4.1, "MD system", were reported incorrectly and are corrected as follows.

First, the sentence: "The system temperature was set to be 310 K, which is controlled with the Berendsen temperature coupling scheme with a time constant of 1 ps." should be: "The system temperature was set to be 323 K, which is controlled with the Berendsen temperature coupling scheme with a time constant of 1 ps."

Second, the sentence: "The pressure was controlled with the Berendsen's pressure scaling method with a time constant of 12 ps and a compressibility of 3×10^{-4} bar^{-1} (1 bar = 10^5 Pa)." should be replaced by: "The pressure was controlled using the Berendsen pressure scaling method with a time constant of 12 ps. The detailed semiisotropic pressure coupling parameters are described in Section 2.4.2." The pressure coupling parameters reported in Section 2.4.2, including the compressibility of 3×10^{-5} bar^{-1}, are correct.

References

[1] Zhang W, Xu R, Ma W, Lin Z, Yang K and Yuan B 2024 *Chin. Phys. B* **33** 108701

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