

# Certificate of biostatistics

4 May 2021

Title of study: Bone marrow mesenchymal stem cells therapy regulates gut microbiota to improve the post-stroke neurological function recovery in rats

This letter is to confirm that I have read the ethics application prepared for this study, and that in my opinion the statistical methods and techniques mentioned are appropriate for the research.

Sincerely, *Chuanrui Ma*

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