

## Certificate of Biostatistics

9 December 2023

To whom it may concern

Title of Study: Mitochondrial dysfunction affects hepatic immune and metabolic remodeling in patients with acute-on-chronic liver failure

Chief investigator: Zhang Yu, Department of Hepatology, First Hospital of Hunan University of Chinese Medicine, Changsha, China

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 research.

Please contact me if you have any queries.

Sincerely,

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