



11th Jan., 2024

Language Certificate

Dear Sir or Madam:

This document certifies that the manuscript **MJD2312220**:

F. nucleatum-induced imbalance in microbiome-derived butyric acid levels promotes the occurrence and development of colorectal cancer through the AMPK signaling pathway

(prepared by the authors: Qilong Wu, Xiaoting Fang, Xinxin Wan, Qingyong Ding, Yanjun Zhang, Ling Ji, Yongliang Lou and Xiang Li)

was edited for proper English language, grammar, punctuation, spelling, and overall style by a highly qualified, native English-speaking professional scientific editor, at Medjaden Inc. on 11th Jan, 2024. Neither the research content nor the authors' intentions were altered in any way during the editing process. The

final revised version can be found at

<http://pan.medjaden.com:2000/index.php?mod=shares&sid=ZWFtREVQY1Z2YXhxREtxR3hua2l5WkEzdFNUYXdKNlhUN2x5aW1pdw>. (verification code: **lx1234**)

Yours sincerely,

(Ms.) Hua (Selin) He for Medjaden Inc.

Information about Medjaden Inc.

Medjaden Inc. is an emerging editing company that provides professional services for laboratory researchers, postgraduates, and clinical doctors. Our mission is to help our clients initiate, maximize and accelerate the production of articles from their research work. The company employs experienced medical statisticians and editors drawn from English backgrounds worldwide, who strive to ensure that every edited article is published in an English journal, preferably one that is included in the Web of Science (WOS), the Science Citation Index (SCI) Expanded, Medline, PubMed, EMBASE, and other scientific resources.

Email: medjaden@gmail.com; **Website:** www.medjaden.com