

# Review of: "Leveraging Fine-Tuned Large Language Models in Bioinformatics: A Research Perspective"

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**Potential competing interests:** No potential competing interests to declare.

This paper delves into the extensive utilization of fine-tuned large language models (LLMs) in the realm of bioinformatics. It emphasizes the need to confront potential challenges and limitations in order to fully harness the capabilities of fine-tuned LLMs for bioinformatics purposes, including their acceptance within clinical settings. Through this investigative study, it furnishes empirical evidence and distinctive viewpoints, suggesting that collaborative endeavors represent a crucial solution for the effective integration of fine-tuned LLMs in the field of bioinformatics.

The findings of this paper demonstrate significant promise in leveraging the utility of fine-tuned large language models (LLMs). However, there are some specific issues that require further attention.

1. The author is encouraged to consolidate the Background and Introduction sections, eliminating the need for their separation. Additionally, the author should expand upon the introductory remarks to encompass the fundamental elements outlined in the paper's title.
2. The author should adhere to a particular citation/reference style. Some of the citations/references are incomplete, lacking information such as the publication year, and the author should revise them accordingly.
3. "We study the ability of pretrained large language models (LLM) to answer questions from online question answering for a such as Stack Overflow. We consider question-answer pairs...". This paragraph is found the Reference sections. Is this paragraph a reference or what? Author should be consistent in the use of Refencing style.