

# Impact Of Scientific Domain-Specific Pre-Training On The Safety Alignment Scores Of Lms When Evaluated On Multimodal

Assignee Research

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## **Abstract**

This report synthesises findings from 12 peer-reviewed papers addressing the following research question: What is the impact of scientific domain-specific pre-training on the safety alignment scores of LLMs when evaluated on multimodal molecular representation tasks. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 3.7/10. This report is a machine-generated literature synthesis and does not constitute original research.

## **1 Introduction**

This paper examines: Large Language Models in Healthcare and Medical Domain: A Review. Research question: What is the impact of scientific domain-specific pre-training on the safety alignment scores of LLMs when evaluated on multimodal molecular representation tasks?.

## **2 Methodology**

Systematic literature search across multiple databases yielded 12 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 3.7/10.

## **3 Results**

12 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 3.7/10.

## 4 Limitations

This report is a machine-generated literature synthesis and does not constitute original research. Automated retrieval and verification may introduce errors or omissions. Review scores reflect automated assessment, not human peer review. Readers should consult primary sources for authoritative information.

## References

- <https://doi.org/10.18653/v1/2023.findings-emnlp.123>
- <https://doi.org/10.3390/informatics11030057>
- <https://doi.org/10.1038/s42256-024-00832-8>