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## Declaration of Interests

The authors have no conflict of interest to declare.

# Correspondence to “The Role of ChatGPT in Scholarly Editing and Publishing”

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The article "The Role of ChatGPT in Scholarly Editing and Publishing"<sup>1</sup> published in *European Science Editing* explored AI authorship and the impact of advanced models like ChatGPT in academia. In doing so, the authors raise questions about authorship, transparency, and the implications of artificial intelligence (AI)-generated content in scholarly writing.

The ongoing debate surrounding AI authorship, notably exemplified by the capabilities of Chat Generative Pre-trained Transformer (ChatGPT), raises intriguing questions and has sparked discussions within the academic community. Beyond the immediate concerns about authorship and transparency, it is imperative to consider the broader implications and potential future applications of AI in scholarly publishing.

First, as AI technologies like ChatGPT continue to evolve, they hold promise in addressing the ever-increasing volume of academic literature. With the ability to generate coherent and relevant content,<sup>2</sup> AI can contribute to summarizing complex research findings, potentially aiding researchers in staying up-to-date with the latest developments in their fields. Such AI-generated summaries, when used responsibly, can enhance knowledge dissemination and accessibility.<sup>3,4</sup>

Furthermore, the use of AI in peer review processes is an area ripe for exploration. Artificial intelligence-driven tools can assist in preliminary manuscript assessments, helping identify plagiarism, ethical violations,<sup>5</sup> or errors, thus streamlining the peer review workflow for human reviewers. While AI cannot replace the nuanced evaluation performed by experts, it can be a valuable resource in managing the growing demands of academic publishing.

Another intriguing future application lies in AI-generated content designed to complement

human-written articles. Artificial Intelligence tools, such as ChatGPT, have the potential to revolutionize the field of academic writing with their ability to generate content that closely mirrors human writing. A well-crafted prompt can guide these tools to produce high-quality content. However, it is important to note that leading publishers, including Springer Nature, have established policies prohibiting the recognition of AI tools as coauthors in academic articles (see: <https://www.nature.com/articles/d41586-023-00191-1>). Despite this, authors are encouraged to utilize AI tools in their research process and provide appropriate acknowledgment where these tools have been employed. This approach fosters a fair and unbiased environment in the realm of scientific writing, thereby mitigating potential discrepancies and ethical concerns.

Ethical considerations remain paramount in the integration of AI into academic publishing. Future perspectives must emphasize transparency and responsible use of AI, with guidelines, as published by Springer Nature, requiring clearly outlining the roles of humans and AI in the authorship process. This shall help creating a fair scientific and academic environment. Furthermore, academic institutions and journals should consider incorporating AI ethics training into research programs, ensuring that researchers understand both the potential and limitations of AI in scholarly writing. For instance, Northeastern University London has started an MSc program in artificial intelligence and ethics. Additionally, AI tools to validate if the article is written by a human or AI chatbot could be introduced. However, this needs to be executed carefully, as tools identifying the role of AI chatbot in written content can misinterpret human writing for any algorithmic error.

In the ever-expanding landscape of AI-driven research tools, for example, Microsoft Bing

Chat, Google Bard, Elicit, and Consensus, the academic community must continue to adapt and establish best practices. Collaborative efforts between AI developers, publishers, and researchers are vital for shaping the future of AI in academic publishing. It is through these dialogues and ethical frameworks that we can harness the full potential of AI while upholding the integrity and principles of scholarly authorship.

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