

### Supplementary Material 3. Prompts used in the study.

#### 1. Prompt for checking presence of GAI-related content in the guideline

Prompt:

The attached file is the author guideline for a scientific journal. Extract the contents related to instructions to authors on use of generative artificial intelligence or language models. Write a summary at the end.

Example AI response:

The author guidelines include specific instructions regarding the use of generative artificial intelligence (AI) in the "Ethics and Authorship in the Use of Generative Artificial Intelligence (AI)" section:

- Assigning authorship to AI is prohibited.
- Authors who use generative AI tools are solely responsible for all content produced and submitted.
- The journal discourages using generative AI tools to create any content for scientific manuscripts. If such tools are used, authors must transparently report their use.
- Using AI tools to enhance the linguistic quality of a submission is considered acceptable and does not require specific disclosure.
- When generative AI is the focus of a study, its use should be explicitly detailed in the Materials and Methods section.
- Reviewers are forbidden from using AI to generate review comments.

In summary, the journal prohibits granting authorship to AI, discourages the use of generative AI for creating manuscript content, and requires transparent reporting if such tools are used. Using AI for language enhancement is allowed without disclosure. AI should be described in the methods if it is the study focus. Reviewers cannot use AI to write comments.

#### 2. Extracting GAI-related content from each guideline

Prompt:

The attached file is the author guidelines for a scientific journal. Extract the contents related to instructions to authors on use of generative artificial intelligence or language models. Answer straight to the point and include all information. Organize into bullet points. Refrain from adding introductory statements in the beginning and just answer in bullet points.

Example AI response:

- If artificial intelligence (AI)-assisted technologies (such as large language models, chatbots, or image creators) were used during preparation of the manuscript, authors should disclose how they used AI in both the cover letter and the submitted work.
- Authors are responsible for scientific integrity of all contents that AI generated.
- Authors should not list AI-assisted technologies as an author or co-author, nor cite AI as an author.
- All submissions or publications that do not adequately disclose AI assistance will be rejected from review or retracted.

#### 3. Proposing key items for further comparative analysis

Prompt:

The attached file includes contents from 18 journal submission guidelines that are related to use of generative artificial intelligence or language models. Break down into small items that can be used to compare between journals. Write the items in bullet points.

**AI response:**

Here are the key items extracted from the 18 journal submission guidelines, broken down into bullet points for comparison:

- Authorship:
  - AI/LLMs cannot be listed as authors or co-authors
  - AI/LLMs cannot be cited as authors
  - Authorship implies responsibilities that can only be attributed to humans
  - Authors are responsible for the scientific integrity of AI-generated content
- Disclosure:
  - Use of AI/LLMs must be disclosed in the cover letter and manuscript
  - Specific tools, models, versions, and manufacturers should be detailed
  - Disclosure should explain how AI was used and in what capacity
  - Required location for disclosure varies (e.g., Acknowledgments, Materials and Methods)
  - Basic tools for grammar, spelling, and references may not require disclosure
- Acceptable use:
  - AI/LLMs can be used to improve readability and language
  - Use should involve human oversight, control, review, and editing
  - Authors should carefully review AI output for accuracy, bias, and completeness
- Unacceptable use:
  - AI/LLMs should not be used to write manuscripts (with some exceptions)
  - Using AI for creating/altering figures, images, and artwork is generally discouraged
  - If AI is used for figures/images, clear descriptions must accompany the submission
- Plagiarism and attribution:
  - Authors must ensure no plagiarism in AI-generated text and images
  - Appropriate attribution and citations are the responsibility of human authors
- Consequences of non-disclosure:
  - Submissions without proper AI disclosure may be rejected or retracted
  - Previously published papers may be retracted if AI use is later discovered
- Reviewer guidelines:
  - Reviewers should not use AI when reviewing manuscripts
  - Sharing manuscripts with external AI tools during review can break confidentiality

**4. Check for inclusion of items in each guideline****Prompt:**

Read the attached author guidelines and answer 'YES' or 'NO' or 'UNSURE' if the author guidelines have contents related to instructions for authors on the use of generative artificial intelligence, such as language models or generative AI tools. Answer number 11 with the name of the section. Before giving the answer for each item, provide a verbatim quote from the author guidelines that is relevant to the item, if applicable. If there is no relevant content for an item, write 'No related content'.

Items:

1. No authorship is allowed for generative artificial intelligence
2. Emphasis on responsibility for human authors on AI generated content
3. Prohibits AI usage other than language improvement
4. Use of AI must be disclosed in some form
5. Specific technical details of the AI model used should be declared
6. AI declaration template provided
7. Discourage AI usage for content generation, such as text, figure, images
8. Non-disclosure consequences are mentioned
9. Basic tools for grammar, spelling, references do not require disclosure
10. Use of AI must be declared in the cover letter
11. Use of AI must be declared in the main manuscript (If YES, specify which section: ex: acknowledgement, materials and methods, specific section, not specified. If NO, write 'NO').
12. Provide any other relevant information from the author guidelines related to the use of AI or language models that doesn't fit into the items above. If there is no additional relevant information, write 'NONE'.

Instructions:

In the answer, DO NOT repeat the items. No introduction statements in the beginning. Just provide the relevant quote and then the answer. Start writing with '1.'

Example AI response:

1. "Large Language Models (LLMs), such as ChatGPT, do not currently satisfy our authorship criteria. Notably an attribution of authorship carries with it accountability for the work, which cannot be effectively applied to LLMs."

YES

2. No related content.

UNSURE

3. No related content.

NO

4. "Use of an LLM should be properly documented in the Methods section (and if a Methods section is not available, in a suitable alternative part) of the manuscript."

YES

5. No related content.

NO

6. No related content.

NO

7. No related content.

NO

8. No related content.

NO

9. No related content.

UNSURE

10. No related content.

NO

11. "Use of an LLM should be properly documented in the Methods section (and if a Methods section is not available, in a suitable alternative part) of the manuscript."

YES (Methods section or a suitable alternative part if Methods section is not available)

12. NONE