

## Guideline of Hannover Medical School (MHH) on the use of text-generating artificial intelligence (AI) in the creation of scientific documents

Text-generating AI has found its way into the preparation of scientific documents. The following instructions are intended to ensure that good scientific practice at MHH continues to be observed for all written papers, doctoral dissertations, and postdoctoral theses required in the curricula of the MHH degree programs, and that the integrity of research and academic processes is maintained.

The following principles apply in research and teaching:

- 1. Accountability:** core scientific competencies (such as data interpretation or drawing scientific conclusions) remain tasks of researchers and cannot be replaced by AI tools. AI tools do not fulfill the criteria for authorship and, thus, cannot be authors. This also applies to the preparation of written study and examination papers such as protocols, term papers, bachelor's and master's theses.
- 2. Transparency:** As with any methodology used, all AI-based methods must be disclosed transparently in a scientific paper. Specific AI-based or AI-assisted scientific study design techniques are mentioned in the methods section of the scientific paper. If text-generating AI is used in the preparation of the manuscript, this must be disclosed separately (see 4.).
- 3. Verification:** text-generating AI can only be used under the direct counter-control of the researchers or teachers. Results must be carefully reviewed and processed. Researchers and educators must be aware that text-generating AI can create well-rounded and definitive-sounding texts that may nevertheless contain factual errors, plagiarism, incompleteness, or other biases.
- 4. Disclosure:** Authors must disclose in the paper the use of text-generating AI in the preparation of the manuscript (bachelor's, master's theses, doctoral dissertations, post-doctoral theses). At the end of the paper, directly before the bibliography, a paragraph "Statement on the use of AI in the preparation of the scientific manuscript" has to be inserted.

Here, all AI tools used, the reason and extent of the use, as well as the affected text sections must be mentioned. It must also be confirmed that the generated text has been checked and, if necessary, revised by the author(s) and that the author(s) assume full responsibility for all content. In the case of cumulative dissertations, it must also be stated for which of the publications used an AI was used. This information should be clearly and comprehensively stated on the cover page prior to publication.

- 5. Mentoring:** Supervisors of scientific work are encouraged to proactively discuss the use of text-generating AI with junior researchers at an early stage and to point out the above-mentioned rules as well as the general rules of good scientific practice.