





Next-Level Science using AI Assistants

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Al-based tools revolutionize science and enable researchers to work more efficiently and effectively. However, it is important for researchers to use these tools judiciously and with an understanding of their limitations. The course will kick off with an explanation of what GPTs are and how to use them. In the following, optimization of prompting using context and framework will be introduced and applied.

- You will discuss how to address complex tasks and documents, such as extracting key claims, summarizing, brainstorming ideas, and finding sources using, e.g., https://perplexity.ai.
- You will discuss enhanced literature review, connectivity of papers, and interactive summaries of key information using, e.g., https://elicit.org, https://www.explainpaper.com, https://app.litmaps.com, https://researchrabbit.ai.
- You will discuss aspects of texting, such as optimizing text, generating scientific text de novo (paragraphs, titles, cover letters, ...), generating text for social media (tweets, LinkedIn posts, ...) using, e.g., https://www.deepl.com/write, https://chat.openai.com/chat.
- You will discuss how to use artificial intelligence for brainstorming, such as experiment planning, strategic planning, and career development, using, e.g., https://chat.openai.com/chat.
- You will get a teaser for programming using artificial intelligence, from zero to implementation.
- You will get an introduction to how artificial intelligence can significantly simplify science communication. Given the critical importance of clearly presenting complex scientific projects, AI can help achieve this objective.

The course will be offered online in an interactive format. The trainers will use questions, material, text, and ideas provided by the participants to create and interactive learning experience. Case studies and live exercises will help the participants to apply the concepts and tools to their own research. In-between the three live sessions, tasks will be assigned to groups of participants and the trainers will be available for questions.

27 June 2024 03 July 2024 11 July 2024 9:00 am to noon 1:30 pm to 4:30 pm 9:00 am to noon

The course will take place online. Participants are expected to take part in all three halfday live sessions and contribute to homework exercises. Please find further details and the registration form using the short link below. Places are limited and in case of overbooking priority will be given to members of the organizing schools; participation is free of charge for fellows (members) of BIF-IGS, HIDSS4Health, and IHRS BioSoft.



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https://events.hifis.net/e/IIm24