

Would you like to

- Work **more effectively and with a higher quality** than ever before?
- **Become more objective** on literature assessment?
- Produce **easy to read text** for cover letters, social media, for grants and for scientific papers?
- **Brainstorm more effectively** on experimental strategies with the help of AI? tools?
- Prepare and practice **for networking, for difficult conflicts and for challenging negotiations** using AI-assistants?
- Get an outside AI-assisted **perspective on your career and on tricky decisions** in general?

Why AI for scientists?

In two prospective studies with knowledge workers, the use of AI not only accelerated output by 25%. Much more dramatic is the result that **the quality of the output increased by 40%**! – (see a description [here](#) and the original preprint [here](#)).

AI-based assistants **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.

This year I have already conducted 32 workshops on AI for scientists with more than 870 participants. **80.4% will make the use of AI in their daily work a very high or the highest priority.**

Interested in joining the workshop? Register here: <https://erashuttle.eu/>

What will we discuss?

21.11. 9:00 to 15:30

Module 1: **What are GPTs** and how do you use GPT-based tools with **good prompting**?

Module 2: AI Assistants for **scientific writing and for scientific literature review**

Module 3: AI-based **brainstorming** for experimental setups, for collaboration partners

22.11. 9:00 to 13:30

Module 4: **Introspection** with AI assistants, **decision making** and preparing for your next **job interview**.

Module 5: From Zero to **Coding with AI Assistants**.

Throughout the interaction **questions / material / text / ideas from participants will be implemented live online as input into the AI tools**. These case studies and live exercises will help participants to apply the concepts and tools to their own scientific research.

Because AI-tools will take your science to the next level.



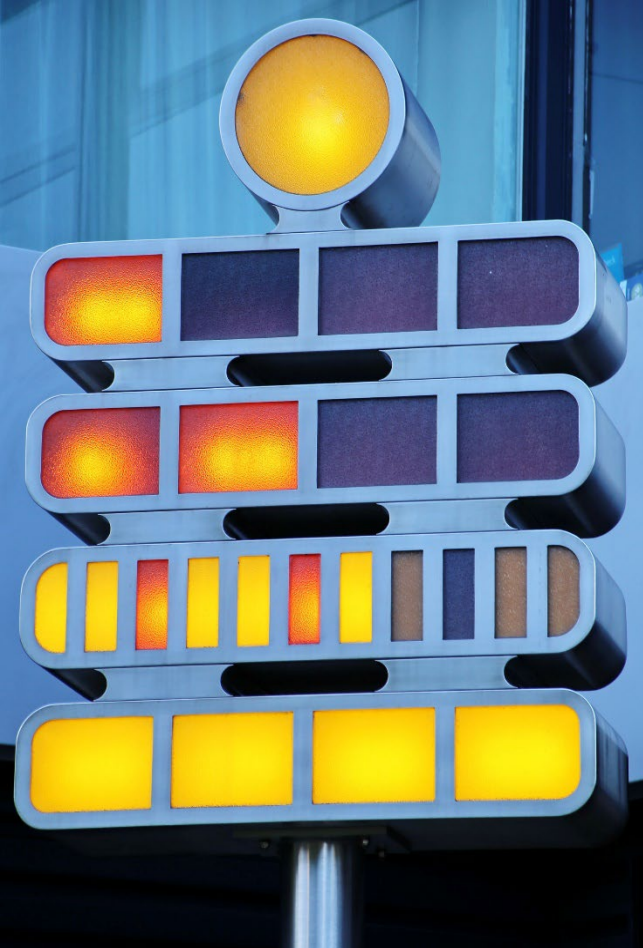
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Where does this workshop come from?

ERA_SHUTTLE is an EU-funded project supporting cross-sectoral talent circulation, collaboration & career development of researchers, as well as the managers and administrators of research. ERA_SHUTTLE is [funded under the Horizon Europe funding sub-programme, the ERA Talents action](#).

The ERA_SHUTTLE project (*Accelerating ERA by Sharing Unique Talents for healThy Life and Environment*) activities are focusing on upskilling and increasing the capacity and output of research.

Over the next four years, the project will conduct a series of activities designed to improve the interoperability of careers and bolster the employability of talents in research and innovation across different sectors.

In an effort to build core competencies and leverage knowledge and expertise from the European Research Area (ERA), ERA_SHUTTLE is launching its first workshop titled "Scientists Need More AI-tools for Research!" This event underscores the project's commitment to advancing the use of technology in research endeavours.

Who is the facilitator?

Prof. Dr. rer. nat. Daniel Mertens heads two research groups, one group at the German Cancer Research Centre (DKFZ) in Heidelberg and a research group at the University Hospital Ulm. His research focus is on epigenetics and microenvironment, and since 2023 his major interest is on AI tools for research, career development and supporting treatment decisions in oncology.

As a scientist, Daniel Mertens is the author of 96 publications that have been cited more than 5500 times (<https://www.webofscience.com/wos/author/record/F-4681-2011>). He has received more than €6 million in grants from external third-party funders for his research.

Since 2011, he has been training scientists, physicians, administrators and staff in transferable skills (www.scientistsneedmore.de). So far, >4000 participants took part in international workshops in Europe, USA and Africa.

Let's make science a better place for scientists.



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