

AI Bootcamp for Research Managers

Boot camp preparation for participants:

1. Register for tools in the relevant sessions marked in **green**
2. Prepare: a) initial draft/data set b) model proposal c) grant template
3. Complete [survey](#)
4. Watch 'Introduction to [Generative AI](#)' video
5. Read [What Is ChatGPT Doing ... and Why Does It Work?](#) And [Generative AI in Higher Education: The Product Landscape](#)
6. [Update GPT privacy settings to stop them from learning from your input](#)

For Organizers:

7. Email list for access to tools

Session 2: Grant Strategy & Trends (35 min group activity)

- Trending topics ([DimensionAI](#) & [GPT](#))

Practice session + share + summarize

Additional tools: [scinapse](#)

Session 3: Ideation & Brainstorming Research Questions (25 min group activity)

- Brainstorm strong research questions ([Genspark](#))
- Critique research question (GPT)

Practice session + share + summarize

Additional tools: [Research Kick](#)

Session 4: Finding grant calls (25 min)

- Research funding database ([Scientify](#), [Atom](#))
- Finding calls ([Perplexity.AI](#), [Genspark](#))

Practice session + summarize

Other tools: [Pivot](#), [Grantforward](#), [Grantsfinder](#), [Sciencebase](#) (Denmark)

Session 5: Finding Partners + call reading (40 min group activity)

- Connections between researchers ([Litmaps](#))
- Find partners for consortium ([Global Campus](#))
- username: UniHaifa
- Password: JzNaKbQ6wKRwN
- Call reading (GPT, [Sample call](#))

Practice session + summarize

Session 6: Data Privacy & GPT for Unis (20 min)

How to ensure your own privacy while using AI tools

[Issues with LLMs & AI tools for research](#)

[Update GPT privacy settings to stop them from learning from your input](#)

[ChatGPT Edu](#)

[Explore terms of use](#)

Session 7: Prompting Best Practices (45 min individual activity)

[Customize ChatGPT](#)

[Presentation](#)- Ingredients of a winning prompt

Prompting practice on [ChatGPT](#), presentations (Prompt to improve prompt)

How to have a conversation- engage in chat or revise original prompt (look at ROI)

Session 8: Writing & editing proposal (1.25 hr group activity)

*If short on time, consider only Jenni or working on customized GPT together

[Step by step prompting to write Excellence section](#)

[Sample proposal draft](#)

Practice session + share + summarize

Other tools: Granted.AI, Writing questionnaires (Survey Monkey)

Session 9: Create Your Own GPT & Multimodal Capabilities (50 min)

Examples: [Peer Review](#),

- [Create your own custom GPT](#) (example: [Write grant proposals](#))

- Text to audio, audio to text, video to text
- Query your own library ([Notebook LM](#))

Session 10: Translation, Editing & Transcription (45 min group activity)

- [Blind examples](#)- can you tell the difference between AI and human?
- Guided tutorial on best prompt practices to get good translations for research

Language editing- [Writeful](#)

Group practice

Practice session + share + summarize

Image Integrity: [Visual Abstract](#), [ImageTwin](#), [Proofiq](#)

Session 11: Proposal Review (30 min group activity)

- GPT as reviewer ([Peer Review](#))
- Impact section of grants ([Impacter](#)- [sample proposal](#))

Practice session: Write step-by-step prompting using [evaluation form](#) (GPT) + summarize

Session 14: Funder & European Commission Policy (45 min lecture)

[Funding policy presentation](#)

Policy: Up-to-date funder policies regarding AI use

Reporting: Best practices for reporting AI use in research

Discussion

Session 15: Research Integrity - How can we use AI responsibly? (45 min lecture)

[Research integrity & Responsible AI Use](#)

- Responsible AI Use, Research integrity tools

AI as the problem and solution- [Proofiq quiz](#)

Discussion

Session 16 (required): Bootcamp Reflection (25 min lecture)

We will come back together to reflect on what we learned over the bootcamp and discuss practical implications for your institution.

- Discussion: major takeaways, use cases, favorite tools, one word closing
- Post-session [survey](#)
- [Final presentation](#)

Post-event follow up:

[Boot Camp Materials](#)

[Generative AI in Higher Education - product list](#)

[Product Discount Codes](#)

[Where are AI tools getting info from?](#) (Scientify- govt. databases, e.g. [grants.gov](#) in the US has an open API, so we use that data. And directly from funder sites. Our data is compiled using a combination of tools to make it easier to get data from open sources and keeping tabs on refreshed grant information. Funders also input information with a front-end upload. In the end, we still do human checks to ensure accuracy of the eligibility structuring. We're also only pulling grant data that is found online and in English.

Before the boot camp, participants need to:

1. Register for tools in the relevant sessions marked in **green**
2. Prepare a) proposal draft b) call form c) [model proposal](#) d) evaluation form
3. Complete [survey](#)
4. Watch 'Introduction to [Generative AI](#)' video