

## IMPRS UFAST skills course

# Integrating Generative AI into the Research Cycle

## Alexander Britz

Generative AI is reshaping how research is conducted—from idea generation to publication. This interactive workshop explores how AI-based tools can enhance each stage of the research cycle, improving efficiency, creativity, and decision-making. In this workshop, you will engage with cutting-edge AI applications, including ChatGPT, DeepSeek, Claude, Perplexity.ai, you.com and GitHub Copilot to learn streamlining your research processes.

The specific learning goals and topics of the workshop are:

- From Observation to Hypothesis
- Literature Review & Knowledge Synthesis
- Proposal & Manuscript Writing
- Experimentation & Data Handling
- AI for Coding & Computational Research
- Publishing & Science Communication
- Ethical Considerations & Responsible AI Use



**19<sup>th</sup> and 20<sup>th</sup> June 2025**

**09:30 h – 16:30 h**

**Building 900**

**Seminar room O1.020**

**Register on Geventis I-UF KI**