Event metadata

Event title	A practical guide to AI tools for life scientists
Event type	Webinar
Date of event	08/05/2024
Time of event	12pm AEST
Topic description	The widespread availability and application of AI tools like ChatGPT have fundamentally transformed our approach to work, creativity, learning, and communication. In the realm of scientific research, the impact of AI extends far beyond mere promises, already catalysing significant advances and discoveries. This talk will explore how AI is reshaping scientific exploration and innovation. We explore how AI can accelerate research processes, from data analysis and code writing to hypothesis development. We will present some of the available and emerging AI and how we might effectively leverage these tools while acknowledging their limitations.
Format description	Webinar presentation followed by a brief question and answer session
Identifier(s)/URL	https://www.biocommons.org.au/events/ai4lifescientists
Licence	Materials are shared under a Creative Commons Attribution 4.0 International agreement unless otherwise stated on the materials
Keywords	Bioinformatics http://edamontology.org/topic_0091 Machine Learning http://edamontology.org/topic_3474 Artificial Intelligence
Contact	training@biocommons.org.au
Audience	This webinar is for life scientists and bioinformaticians who are curious about how to use AI tools to accelerate their research. No prior experience of AI or machine learning is required.
Prerequisites	None

Technical requirements	None
Learning outcomes	By the end of this webinar you should be able to: ● Describe the recent timeline of Large Language Models ● Outline what LLMs are ● Explain the advantages of LLMs compared with search engines ● Outline how to use LLM based Agents, Assistants and Tools ● Outline how we might use AI for research & dev. (demos) ● Identify strategies for getting the most from your 'cognitive co-pilot' and how to avoid the pitfalls.
Speakers	Speaker: Dr Michael Kuiper, Principal Research Scientist in Computational Biology and acting Group Leader of the Computational Modelling (CM) group at Data61 of CSIRO. Host: Dr Patrick Capon, Australian BioCommons
Related material	None