



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

DIPARTIMENTO
DI PSICOLOGIA
"RENZO CANESTRARI"

PhD Program in Psychology

Seminar "The Evolving Role of Young Researchers in the Age of AI: Tools, Ethics, and Professional Identity"

Prof. Marco De Angelis, prof. Federico Fraboni and prof. Gerardo Petruzzello

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05.02.2025 14.00 – 18.00

11.02.2025 09.00 – 16.00

Aula 6 – Viale Filippo Re 10, Bologna

Abstract

As AI technologies transform the academic landscape, early-career researchers encounter both new opportunities and challenges. This seminar delves into the evolving role of young researchers, examining AI-driven tools that enhance research efficiency and the skills required for effective interaction with generative AI, and the emerging profile of the AI Scientist. Therefore, participants will examine how AI is transforming professional identity, impacting career development, and raising questions about ethical and human-centred practices in research. The program comprises three modules: the first introduces AI-powered research tools and explores changes in researchers' professional identities. The second addresses ethical considerations, such as technostress and data sensitivity. The final module investigates human factors, explainability, and trust in AI systems through engaging case studies and simulations.

Participants will engage in hands-on exercises, applying these concepts to real-world scenarios and group feedback sessions.

Reading: Graf, A., & Bernardi, R. E. (2023). ChatGPT in research: balancing ethics, transparency and advancement. *Neuroscience*, 515, 71-73

Lu, C., Lu, C., Lange, R. T., Foerster, J., Clune, J., & Ha, D. (2024). The ai scientist: Towards fully automated open-ended scientific discovery. arXiv preprint arXiv:2408.06292