

How AI and LLM are transforming research in Public Health?

9h00 - 9h30: Registration and Welcome Coffee

■ Session 1. Understanding and Building evidence with AI

9h30 - 9h45: Artificial Intelligence: Concepts, Perspectives, and Implications for Research. François Petit (*Chaire Professor Junior, Inserm*)

9h45 - 10h30: Can AI and LLM generate trustworthy knowledge? The example of mathematics. Ivan Nourdin (*Professor in Mathematics, University of Luxembourg*)

10h30 - 10h50: What does pain mean? When digital and medical humanities meet to highlight a public health challenge. Astrid Chevanec (*Professor of Epidemiology, Université Paris Cité*)

10h50 - 11h20: Coffee break

■ Session 2. AI in Health and Clinical Research

11h20 - 11h40: Opportunistic screening for osteoporosis. Christian Roux (*Professor of Rheumatology, Université Paris Cité*)

11h40 - 12h00: Artificial intelligence-assisted otoscopy. Jérémie Cohen (*Professor of Paediatrics, Université Paris Cité*)

12h00 - 12h20: AI for participatory research in nutrition: ongoing solutions and future perspectives. Alice Bellicha (*Associate Professor of Nutrition, Université Sorbonne Paris Nord*)

12h20 - 12h40: Use of machine learning in accelerometry research. Ian Danilevicz (*Postdoctoral researcher, Inserm-Université Paris Cité*)

12h40 - 13h00: Synthetic data for augmented trials. Alex Fernandes (*PhD Student, Université Paris Cité*)

13h00 - 14h15: Lunch

■ Session 3. Scholarly dissemination and peer-review

14h15 - 15h15: Artificial Intelligence and the Future of Scholarly Communication. Kamran Abbasi (*Editor in chief of The BMJ*)

■ Session 4. Acceleration of Research and evidence synthesis

15h15 - 16h00: Three proofs of concept for accelerating and simplifying research tasks using AI. Viet Thi Tran (*Professor of Epidemiology, Université Paris Cité*)

16h00 - 16h45: Can AI and LLM transform Evidence synthesis. Joerg Meerpohl (*Professor and Director of the Institute for Evidence in Medicine at the Medical Center & Faculty of Medicine, University of Freiburg*)

16h45 - 17h00: Closing Remarks. Isabelle Boutron (*Professor of Epidemiology Université Paris Cité, Director of the CRESS*)