ID de Contribution: **16**                                   Type: **Talk (Long)**

# AI for health: from prediction to prescription

*vendredi 12 juillet 2024 14:45 (45 minutes)*

The combination of artificial intelligence and the increasing digitization of the health sector opens up perspectives for using data for research and daily decision-making tools for patients and healthcare providers. However, the systematic deployment of these technologies requires better control of their performance, particularly in terms of generalization and explainability. These notions are essential for trust in AI-based medical devices and are already considered best practices for certification. The integration of causal reasoning is positioned as a solution to these major challenges. The objective of this introduction to causality is to define a formalism for representing the underlying structure of data, as well as the methods for obtaining it, and its potential applications.

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**Classification de Session:**   Life Sciences

**Classification de thématique:**   Invited talks