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The human-machine relation and AI challenges for nanomedicine in the digital age

Thursday, 9 June 2022 16:00 (2 hours)

Nanomedicine plays an increasingly central role in relevant processes that mainly involve the relation between humans and new technologies. Notably, the use of advanced software, capable of learning and acting in an ever more autonomous way, raises a series of issues that are matter of concern for both science and philosophy.

Artificial intelligence has ignited a fruitful dialogue among scholars from different fields. The recognition and implementation of the right to "explanation" based on the GDPR is one of the issues of most concern, along with the limits of the traditional concept of "responsibility" when applied to machine learning algorithms, or the opacity of the so-called "algorithmic governmentality". Equally troublesome is for individuals to have access, manage and protect their personal data, on the basis of which human autonomy and identity are today mostly build. These are highly topical issues, which also affect relevant aspect of nanomedicine. Think, for instance, of how these issues are deeply entrenched with the human-machine relation, the deployment of enabling technologies, and the progress of science. On the top of that, the construction and protection of our own identity are challenged by current technological surge.

Against this backdrop, the seminar intends to encourage dialogue between science and philosophy, discussing some of the main challenges that nanomedicine faces in the new digital era.

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