

SPEAKER

**Julien Vibert**  
MD PhD

**DITEP - Sarcoma team**  
**U1361 Cancer Data Science**  
(with Inserm and Paris-Saclay university)  
**PRISM National PREcision Medicine Center in Oncology**  
**at Gustave Roussy, Villejuif, France**



## AI at Gustave Roussy: From Clinical AI to Agentic Systems in Precision Oncology

**Date:** Tuesday, May 19, 2026 – **Time:** 15:00-16:00 CEST

 [Link to MS Teams](#)

Artificial intelligence is reshaping cancer care, from genomic interpretation to treatment decisions. This lecture will present Gustave Roussy's AI ecosystem within IHU PRISM, France's national precision medicine center, showcasing flagship programs such as MEDITWIN (digital twins in oncology) and MOSAIC (spatial transcriptomics atlas), alongside the institutional data structuring efforts that underpin large-scale clinical AI. The talk will then explore the emerging frontier of agentic AI systems for molecular tumor boards in rare cancers, illustrate the ongoing Gustave Roussy–DKFZ collaboration in computational oncology, and conclude with perspectives on how CCE partners could collectively advance AI-driven precision oncology across European comprehensive cancer centers.

### **Dr. Julien Vibert**

*Assistant Professor at the Department of Therapeutic Innovation and Early Trials (DITEP) at Gustave Roussy, Dr. Vibert is a specialist in oncology drug development, phase I trials, sarcomas and cancers of unknown primary, as well as in bioinformatics, single-cell techniques and machine learning. His work has included the development of an AI algorithm to characterize the tissue of origin of cancers of unknown primary, currently used at the national level in France, as well as the bioinformatic identification of potential new therapeutic targets for immunotherapies in sarcomas. At Gustave Roussy, Dr. Vibert leads projects on digital twins for cancer patients and AI-driven clinical decision support. He is currently a visiting researcher at the DKFZ/NCT Heidelberg, working with Prof. Stefan Fröhling and Prof. Jakob Kather. He is the recipient of the prestigious Inserm-Bettencourt scholarship for young French clinician-scientists.*

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