

## SPEAKERS

**Eric Deutsch**  
**Roger Sun**

Radiation oncology department  
UMR1030 (with Inserm and Paris-Saclay university)  
at Gustave Roussy, France

## Towards ultraprecision medicine for radio-immunotherapy combinations

**Date:** Thursday, December 19, 2024 – **Time:** 3:00 pm (Paris time)

 [Link to Teams](#)

This lecture will present the latest advancements in translational research that are guiding the combination of radiotherapy and immunotherapy, paving the way for more precise cancer treatments. It will cover emerging technologies and approaches that enable more effective, personalized therapies.

Key topics to be discussed include:

- Non-invasive biomarkers: The role of radiomics in optimizing and guiding radiotherapy for individual patients.
- Microbiota modulation: Understanding how radiotherapy can influence the gut microbiome and patient response to radio-immunotherapy.
- Innovative irradiation techniques such as partial irradiation, heterogeneous irradiation, and FLASH therapy

### **Pr. Eric Deutsch**

Chair of the Radiation Oncology Department, Gustave Roussy, Villejuif, France

Vice-Dean of Research, Paris-Saclay University

Director, Inserm Molecular Radiotherapy and Novel Therapeutic Innovation UMR1030

*Pr. Eric Deutsch's research focuses on combining radiotherapy and immunotherapy, utilizing techniques such as partial irradiation, heterogeneous irradiation, and FLASH therapy to improve treatment precision and reduce the impact on healthy tissues. His works aim to advance precision medicine in cancer care*

### **Dr. Roger Sun**

Radiation oncologist, Researcher, Gustave Roussy, Villejuif, France

*Dr. Roger Sun is a researcher in the Department of Radiotherapy at Gustave Roussy, where his work focuses on the integration of imaging data and machine learning techniques to develop non-invasive biomarkers that help guide and optimize radiotherapy and immunotherapy.*

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