

PROGRAM

PARIS 2023

ImmunoRad®

7th EDITION
SEPTEMBER 27th-29th

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Wednesday September 27th

13.25 - 13.30 pm Opening

Welcome Introduction

Pr Eric Deutsch / conference co-chair

Director of Gustave Roussy Radiation Oncology Department and INSERM UMR 1030

Primer on Cancer Immunology, Radiations and Immunotherapy

Educational Session

13.30-15.30 PART I

Alexandre BOBARD/Eric DEUTSCH

- 🕒 **13.30 -14.00 INNATE IMMUNITY**
Tumor-associated macrophages from bench to bedside,
 **Pr Alberto Mantovani**, Istituto Clinico Humanitas
- 🕒 **14.00 -14.30 ADAPTIVE IMMUNITY**
Role of tertiary lymphoid structures in response to anti-cancer immunotherapy
 **Pr Antoine Italiano**, Gustave Roussy
- 🕒 **14.30 -15.00 IMMUNOLOGICAL CELL DEATH**
Immunological cell death: inducers and enhancers
 **Pr Guido Kroemer**, Cordeliers Research Center
- 🕒 **15.00 -15.30 ABSCOPAL EFFECT**
Mechanisms of interaction of radiotherapy with immunotherapy
 **Pr Silvia Formenti**, Weill Cornell Medicine
- 🕒 **15.30-16.00** Coffee break

Primer on Cancer Immunology, Radiations and Immunotherapy

16.00-18.00 PART II

Ibrahim BOUAKKA/Roger SUN

- 🕒 **16.00 -16.30 CLINICAL IMMUNOTHERAPY**
How to build on the top of current chemo-radiations and PD-L1 inhibitors? The NSCLC model
 **Pr Fabrice Barlési**, Gustave Roussy
- 🕒 **16.30 -17.00 DNA DAMAGE RESPONSE**
Modulating DNA damage responses to enhance radiotherapy-immunotherapy combinations
 **Pr Kevin Harrington**, Institute of Cancer Research
- 🕒 **17.00 -17.30 RADIO-IMMUNOTHERAPY**
Immunogenic cell death driven by radiotherapy – Mechanisms and implications
 **Dr Lorenzo Galluzzi**, Weill Cornell Medicine

MAIN PROGRAM

Keynote Presentation

- 🕒 **17.30 -18.15**
AI for Cancer Precision Medicine
 **Pr Fabrice André**, Gustave Roussy

18.00-20.00 COCKTAIL POSTER SESSION

Thursday September 28th

8.30-10.00 Session I: DNA DAMAGE RESPONSE

François-Xavier DANLOS/Sophie POSTEL-VINAY

- ⌚ **8.30 -9.00**
Exploiting self-inflicted DNA breaks to evade growth limits imposed by genotoxic stress

 **Dr Claus Sørensen**, University of Copenhagen

- ⌚ **9.00 -9.30**
Chromosomal instability-induced inflammation: a catch 22 for cancer cells

 **Dr Floris Foijer**, University of Groningen

- ⌚ **9.30 -10.00**
A new role of altered R-loop homeostasis in radiation-induced tumor immunogenicity

 **Pr Sandra Demaria**, Weill Cornell Medicine

- ⌚ **10.00-10.30** Coffee break

10.30-12.30 Session II: MYELOID CELLS

Paul BERGERON/Julie CONSTANZO

- ⌚ **10.30 -11.00**
Myeloid cells in cancer

 **Dr Mikael Pittet**, University of Geneva

- ⌚ **11.00 -11.30**
Neutrophils in lung cancer: modulators of tumor growth and therapy response,

 **Dr Etienne Meylan**, Université Libre de Bruxelles

- ⌚ **11.30 -12.00**
Local and abscopal responses of small-cell lung cancer to radiation therapy

 **Pr Julien Sage**, Stanford University

- ⌚ **12.00 -12.30**
Enhancing phagocytosis to magnify radiotherapy-induced in situ tumor vaccination

 **Dr Rodney Cheng-En Hsieh**, Chang Gung Memorial Hospital

- ⌚ **12.30-14.00** Lunch break and exhibition

14.00-16.00 Session III: RT DOSE AND MODALITIES

Pierre-Antoine LAURENT/Céline MIRJOLET

- ⌚ **14.00 -14.30**
Spatially fractionated FLASH radiotherapy modulates the antitumor immune response

 **Dr Cristian Fernandez-Palomo**, University of Bern

- ⌚ **14.30 -15.00**
Radiotherapy with carbon ions plus CTLA4 blockade elicits therapeutic immune responses in a murine tumor model

 **Dr Stefan Eichmüller**, DKFZ Heidelberg

- ⌚ **15.00 -15.30**
Revisiting the radiobiology of targeted alpha therapy

 **Dr Jean-Pierre Pouget**, Institut de Recherche en Cancérologie de Montpellier

- ⌚ **15.30 -16.00**
Radiotherapy in the context of multimodality treatment for oligometastatic disease

 **Pr Matthias Guckenberger**, University of Zurich

- ⌚ **16.00-16.30** Coffee break

16.30-18.30 Session IV: IMMUNOSUPPRESSION

Michele MONDINI/Inigo MARTINEZ-ZUBIAURRE

- ⌚ **16.30 -17.00**
IL-1, CAFs and rectal cancer

 **Dr Florian Greten**, Frankfurt University

- ⌚ **17.00 -17.30**
Mapping of stromal heterogeneity and plasticity in breast cancer

 **Dr Fatima Mechta-Grigoriou**, Institut Curie

Keynote Presentation

- ⌚ **17.30 -18.15**
Myeloid cells as a limitation of radiotherapy and radiotherapy/immunotherapy combinations- potential therapeutic strategies

 **Pr Ralph Weichselbaum**, University of Chicago

Friday September 29th

8.30-10.30 Session V TUMOR MICROENVIRONMENT

François de KERMENGY/ Maria JOSÉ OLIVEIRA

- 🕒 **8.30 -9.00**
Spatial transcriptomics reveals a substantial heterogeneity in TNBC tumor and stroma compartments with potential clinical implications
 **Pr Christos Sotiriou**, Université Libre de Bruxelles
- 🕒 **9.00 -9.30**
Immune contexture of radiation response
 **Dr Jerome Galon**, Cordeliers Research Center
- 🕒 **9.30 -10.00**
Reprogramming the tumour microenvironment to improve responses to radiotherapy
 **Pr Tim Illidge**, Manchester Cancer Research Center
- 🕒 **10.00 -10.30**
Innovative approaches to trigger radiation induced immunological cell death and overcome checkpoint resistance,
 **Pr Jim Welsh**, MD Anderson Cancer Center, USA
- 🕒 **10.30-11.00** Coffee break

11.00-12.30 Session VI AI, IMAGING AND RADIOMICS

Nathan BENZAZON/ Maria VAKALOPOULOU

- 🕒 **11.00 -11.30**
The role of standard imaging in radio-immunotherapy: focus on radiomics and lymphocyte sparing radiotherapy
 **Pr Philippe Lambin**, Maastricht University
- 🕒 **11.30 -12.00**
Predictive and prognostic role of PET in immunotherapy
 **Dr Désirée Deandreis**, Gustave Roussy
- 🕒 **12.00 -12.30**
Next generation radiotherapy at the era of AI and immunotherapy
 **Pr Eric Deutsch**, Gustave Roussy

12.30-14.00 Lunch break and exhibition

Friday September 29th

14.00-16.00 Session VII ADAPTIVE IMMUNITY

Marine FIDELLE/Carolina ALVES-COSTA-SILVA

- 🕒 **14.00 -14.30**
Fatty Acid metabolic regulation of anti-tumor immunity against irradiated glioblastoma
 **Dr Claire Vanpouille-Box**, Weill Cornell Medicine

- 🕒 **14.30 -15.00**
Human endogenous retroviruses represent a source of shared tumor epitopes for cancer immunotherapy,
 **Pr Stephane Depil**, Centre Leon Berard

- 🕒 **15.00 -15.30**
Targeting IL2 signaling with radiotherapy to trigger systemic immunity
 **Pr Sana Karam**, University of Colorado

- 🕒 **15.30 -16.00**
Impact of radiation on intestinal commensals and cancer immunosurveillance,
 **Pr Laurence Zitvogel**, Gustave Roussy

16.00-16.30 Coffee break

16.30-18.30 Session VIII INNATE IMMUNITY

Lydia MEZIANI/Claudia FOURNIER

- 🕒 **16.30 -17.00**
In situ abscopal effect: synergistic efficacy of immunotherapy and partial tumor irradiation
 **Dr Michele Mondini**, Gustave Roussy

- 🕒 **17.00 -17.30**
Photon and particle radiation antitumor immune effects via senescence and NK cells
 **Pr Peter Hüber**, German Cancer Research Center

- 🕒 **17.30 -18.00**
Low Dose Radiotherapy: from the lab to the clinic.
 **Dr Fernanda Herrera**, Lausanne University Hospital

- 🕒 **18.00 -18.30**
Clinical and Immune correlates of response to nivolumab plus chemoradiotherapy for locally-advanced cervical cancer – NiCOL study
 **Dr Emanuela Romano**, Institut Curie