

PROGRAMME WORKSHOP IA-CANCER ALLIANCE TOULOUSE CANCER (ATC)

AI TO OPTIMIZE CANCER RESEARCH AND PATIENT'S MANAGEMENT IN ONCOLOGY

Date : 16 Octobre 2026

Lieu : Amphithéâtre IUCT-Oncopole

Horaires : 08h45 – 17h00

08h45 – 09h30 : Accueil et introduction

- 08h45 – 09h15 : Accueil des participants (café, installation)
- 09h20 – 09h30 : Introduction du workshop (objectifs, programme, règles)

09h30 – 11h10 : Session 1

Topic : **ARTIFICIAL INTELLIGENCE IN MEDICAL IMAGING**

Moderator – **Pr Pierre BROUSSET**

Heure	Intervenant	Sujet de la présentation
09h30-09h45	Guillaume Bataillon / Wassim Fathi	Algorithmic tool to assist in the diagnosis of cervical biopsies - COL-IA
09h50-10h05	Pierre Brousset / Stéphane Treillard / Camille Franchet / Sylvain Cussat-Blanc / Sandrine Mouysset	Diagnostic Assistance of Lymphomas - DIALYM
10h10-10h25	Janick Selves / Mael Montillet	Machine Learning (ML) from whole slide images to predict primary resistance to immunotherapy (IT) in patients with MMRd (mismatch repair deficient) metastatic colorectal cancer (mCRC)
10h30-10h45	Camille Franchet / Robin Schwob	Feature Engineering and Deep Learning on Microscopic Images for the Molecular Classification of Breast Cancer - APRIORICS
10h50-11h05	Céline Leobon-Basset / Nathan Darmon	Automation of Morphometric Analysis of Tumor Clusters in Ascites from High-Grade Serous Ovarian Carcinoma

11h10 – 12h30 : Session 2

Topic : **ARTIFICIAL INTELLIGENCE IN MULTI-OMICS**

Moderator – **Dr Vera PANCALDI**

Heure	Intervenant	Sujet de la présentation
11h10-11h25	Sylvain Cussat-Blanc / Salvatore Valitutti	Organoids
11h30-11h45	Ahmad Berjaoui	Handling missing omics and MRI modalities: applications to glioma
11h50-12h05	Loïc Ysaebert / Malvina Marku	Integration of gene regulation and pharmacodynamic models in chronic lymphocytic leukaemia
12h10-12h25	Julien Mazieres / Vera Pancaldi	A machine learning approach to identify patients with resected non-small-cell lung cancer with high risk of relapse MIRACLE

12h30 – 13h30 : Pause déjeuner

13h45 – 14h45 : Session 3

Topic : **AUTOMATED DATA EXTRACTION BY ARTIFICIAL INTELLIGENCE TOOLS (NLP OR LLM)**

Moderator – **Pr Jean-Marc ALLIOT**

Heure	Intervenant	Sujet de la présentation
13h45-14h00	Thierry Chanet	Data extraction and structuration for pancreatic cancer and lymphoma - ONCOLAB
14h05-14h20	Alexandre Yazigi	The Use of AI in Oncopneumo - ONCORO, AIPIK...
14h25-14h40	Jean-Marc Alliot	Structuring medical data using large language models for research and patient care

14h50 – 16h25 : Session 4

Topic : **ARTIFICIAL INTELLIGENCE IN PATIENT CARE AND PERSONALIZED MEDICINE**

Moderator – **Pr Sarah BERTOLI**

Heure	Intervenant	Sujet de la présentation
14h50-15h05	Valentin Andral / Jules Morata	Deep Learning Techniques for research in Acute Myeloid Leukemia using the DATAML database

15h10-15h25	Emmanuelle Vigarios / Thibault Sourdeval / Sandrine Mouysset	Development of a machine learning pipeline to aid in the diagnosis of certain potentially precancerous oral lesions
15h30-15h45	Emmanuelle Uro-Coste / Yvan Nicaise / Sandrine Mouysset	Machine Learning–Based Tumor Classification Using DNA Methylation Profiles
15h50-16h05	Lorenzo Scipioni	Interpretable image denoising outperforms deep learning: applications in medical imaging
16h10-16h25	Pierre Cordelier / Sylvain Cussat-Blanc	Modeling of oncolytic virus infection in solid tumors

16h30 – 16h45 : Clôture et synthèse

- 16h30-16h40 : Synthèse des points clés et conclusions
- 16h40-16h45 : Remerciements et mot de fin