

# 4TH CONGRESS "CHILDHOOD CANCERS : UNDERSTAND TO TREAT"

Basic and translational research in pediatric  
oncology

**STRASBOURG - OCTOBER 10-12TH, 2022**

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4<sup>th</sup> congress of the React-4Kids' network  
Basic and translationnal research in pediatric oncology  
October, 10<sup>th</sup>-12<sup>th</sup> 2022, Strasbourg, France

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## MONDAY, OCTOBER 10<sup>th</sup>

**1:15 – 1:30 pm**                      **Opening and global issues**  
Dr Marie Castets, Cancer Research Center of Lyon

**1:30 – 2:30 pm**                      **Keynote lecture - « Fondation ARC » Session**  
Pr Nada Jabado, McGill University, Montréal, Canada

**2:30 – 4:30 pm**                      **Session 1 - Origins and Causes of Pediatric Cancers**

Topics:

- Developmental and genetic origins of pediatric cancers : insights from multi-omic sequencing and new models
- Impact of the ontogenic context on tumor initiation
- Modelling of pollutants' impact on pediatric cancer onset

Confirmed Speakers :              Dr Erika Brunet, Institut Imagine  
   Dr Vanessa Ribes, Institut Jacques Monod

+ 3 selected talks

**5:30 – 7:30 pm**                      **Workshop 1 - How to accelerate multi-omic data sharing in pediatric cancer research?**

Progress Report on the Share4Kids platform structuring

Working groups : «Which -omics data do we need to generate at the national level to accelerate research : future priorities for the Share4Kids project.»

## TUESDAY, OCTOBER 11th

### 9:30 – 11:00 am **Session 2 - Tumor escape and resistance to treatments**

Topics :

- Multi-omics resistance signatures
- Heterogeneity and tumor plasticity
- Metastatic spread mechanisms
- Pharmacogenomics and new therapeutic approaches

Confirmed Speakers :  
Dr François Radvanyi, Institut Curie  
Dr Antonin Marchais, IGR  
Dr Marion Le Grand, CRCCM

### 11:30 – 12:00 am **Presentation of the PEDIAC consortium**

Dr Olivier Ayrault, Institut Curie, Paris

### 12:00 – 12:30 am **Short talks from young researchers - “My project in 300s”**

### 2:30 – 3:30 pm **Keynote Lecture - « Ligue contre le Cancer » session**

Pr Jan Molenaar, Princess Maxima Center, Utrecht, Netherlands

### 3:30 – 5:00 pm **Session 3 - Innovative models in pediatric cancer research**

Confirmed Speakers :  
Dr Laura Broutier, CRCL  
Dr Céline Delloye, MeLiS  
Dr Samuel Meignan, Centre Oscar Lambret

+ 1 selected talk

### 5:00 – 5:30 pm **Short talks from young researchers - “My project in 300s”**

### 6:00 – 7:00 pm **Workshop 2 - Innovative models in pediatric cancer research : how to share expertise?**

Topics :

- Organoid models
- Tumor niche models
- Animal models

## WEDNESDAY, OCTOBER 12<sup>th</sup>

### 9:00 – 10:00 am **Keynote Lecture**

Dr Olivier Delattre, Institut Curie, Paris

### 10:00 – 11:00 am **Session 4 - Non genetic mechanisms of tumorigenesis : role of the tumor microenvironment**

Topics :

- Metabolism and epigenetic
- Post-transcriptional regulation mechanisms
- Tumor microenvironment and cell signalling

Confirmed Speakers : Dr Benjamin Ory, PhyOs  
Dr Natacha Entz-Werlé, CHU Strasbourg

+ 1 selected talk

### 11:30 – 12:30 am **Workshop 4 - let's design 2023 !**

Topics :

- Collaborative consortia setup
- Positioning at the European level
- Academic-Industrial partnerships