

# 7<sup>th</sup> International Symposium on CAR T Cells (CAR T Day)

Organized by the Faculty of Medicine and Lille University Hospital

Under the auspices of the Francophone Society of Bone Marrow Transplantation and Cellular Therapy (SFGM-TC), The Société Française de lutte contre les Cancers et les leucémies de l'Enfant et de l'adolescent, The Group for Research on Adult Acute Lymphoblastic Leukemia (GRAALL), The Intergroup Francophone du Myélome (IFM), and The Lymphoma Study Association (LYSA)

**Septembre 6-8, 2023**

Faculté de Médecine - Pôle recherche, 1 place de Verdun, 59000 Lille, France

## Wednesday September 6<sup>th</sup>, 2023

08:00 - **Welcome and registration**

09:45 - **Introduction:**

Frédéric Boiron, General Director of Lille University Hospital TBC  
Ibrahim Yakoub-Agha and Suman Mitra

### Engineering the next-generation of CAR-T-cells

Chairs: Ignacio Moraga (Dundee, Scotland) & chair(s) (city, country)

- 10:00- **Fighting fire with fire: Boosting T cell-based immunotherapies by mitochondrial transfer**  
*Luca Gattinoni (Regensburg, Germany)*
- 10:25- **Neoantigen Reactive TILs: Key to Next-gen Cell Therapies**  
*Sri Krisna (Bethesda, USA)*
- 10:50- **Exploring Cell-Specific Viral Entry Approaches to improve gene and cellular immunotherapy**  
*Els Verhoeven (Nice, France)*
- 11:15- **Methods to edit T cells for cancer immunotherapy**  
*Laure Menger (Paris, France) TBC*
- 11:40- **Biomarkers to inform CAR-T therapies**  
*Joseph Melenhorst (Cleveland, USA)*

**12:00 – Coffee break**

- **12:30-13:15**

### Keynote lecture

Chair(s): name(s) of chair(s) (City, country)

**Marcela Maus (USA)**

**13:15 – Lunch break**

### Symposium Industrial I

Chair(s): name(s) of chair(s) (City, country)

- 14:00- **Title**  
*Name of presenter (city, country)*
- 14:30- **Title**  
*Name of presenter (city, country)*

### Symposium Industrial II

Chair(s): name(s) of chair(s) (City, country)

- 15:00- **Title**  
*Name of presenter (city, country)*
- 15:30- **Title**  
*Name of presenter (city, country)*

**16:00 – Coffee break**

- **16:30-17:00**

### Special lecture: Pioneering the In Vivo Cell Engineering Approaches for cancer treatments

Chairs: Suman Mitra (Lille, France) & Ibrahim Yakoub-Agha (Lille, France)

**Gill SAAR (Philadelphia, USA)**

### Session LYSA

Chairs : Franck Morschhauser (Lille, France) & Noël Milpied (Bordeaux, France)

- 17:00- **Blood transfusion in CAR T-cell therapy for lymphomas**  
*Samuel Vic (Rennes, France)*
- 17:20- **ALYCANTE: CtDNA and PET scan**  
*Marie-Hélène Delfau (Créteil, France)*
- 17:40- **Title**  
*Name of presenter (city, country)*
- 18:00 – **Closing remarks**

**Thursday September 7<sup>th</sup>, 2023**

08:30 - Welcome and registration

**Session IFM:**

*Chairs : Thierry Facon (Lille, France) & Philippe Moreau (Nantes, France)*

- 09:00- **CAR T cells in MM from clinical studies to real life: Where are we ?**  
*Xavier Leleu (Poitiers, France)*
- 09:20- **Relapse after anti BCMA CAR T cells: Outcome and mechanisms of resistance**  
*Bertrand Arnulf (Paris, France)*
- 09:40- **Future directions for cellular immunotherapy in MM**  
*Salomon Manier (Lille, France)*

**10:00 – Coffee break**

**10:20 – Group photo**

**Symposium Industrial III**

*Chair(s): name(s) of chair(s) (City, country)*

- 10:30- **Title**  
*Name of presenter (city, country)*
- 11:00- **Title**  
*Name of presenter (city, country)*

- **11:30-12:15**

**Keynote lecture : New insights into fine-tuning the actions of g<sub>c</sub> family cytokines**

*Chair(s): Erwan Mortier (Nantes, France) & Suman Mitra (Lille, France)*

**Warren J. Leonard (Bethesda, USA)**

**12:15 – Lunch**

**Session SFGM-TC: CAR T-cell toxicity and patient's management**

*Chairs: Stéphanie Nguyen (Paris), Raynier Devillier (Marseille)*

- 13:10- **Stem cell transplantation as a backbone for modern cell- and gene therapy**  
*Stephan Mielke (Stockholm, Sweden)*
- 13:30- **Immune effector hematotoxicity: European Guidelines**  
*Marion Subklewe (München, Germany)*
- 13:50- **Place of Anakinra in ICANS**  
*Jordan Gauthier (Seattle, USA) TBC*
- 14:10- **Myeloid neoplasms following CAR T for lymphoid malignancies**  
*Ibrahim Yakoub-Agha (Lille, France)*

**14:30 – Coffee break**

**Session CAR T beyond Leukemia and lymphoma**

*Chairs: Geoffrey Guittard (Marseille, France) & Arnaud Scherpereel (Lille, France)*

- 15:00- **B-cell engineering**  
*Michel Cogné (Rennes, France)*
- 15:20- **CAR monocytes for cancer immunotherapy**  
*Jean-Luc Perfettini (Paris, France)*
- 15:40- **Personalized T-cell therapies for solid cancers**  
*Alena Gros (city, Spain) TBC*

**16:00 – Coffee break**

**Modulating the Tumor Microenvironment**

*Chairs: Christelle Harly (Nantes, France) & Emmanuel Donnadieu (Paris, France)*

- 16:00- **Stemness and Maintenance of Treg lineage.**  
*Rahul Roychoudhuri (Cambridge, UK) TBC*
- 16:50- **Lymphoma Microenvironment**  
*Karin Tarte (Rennes, France) TBC*
- 17:10- **Metabolic barriers to cancer immunotherapy**  
*Greg Delgoffe (Pittsburg, USA)*
- 17:40- **ion channels in T-cell immunotherapy**  
*Robert Eil (Oregon, USA)*
- 18:00 – **Closing remarks**
- 20:00 – **Gala dinner**

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## Friday September 8<sup>th</sup>, 2023

08:30 - Welcome and registration

### Session GRAALL & SFCE:

Chairs: Nicolas Boissel (Paris, France) & André Baruchel (Paris, France)

- 9:00- **New CAR T-cell development in T-ALL**  
Paul Maciocia (London, UK) TBC
- 9:20- **B-ALL: Are two targets better than one?**  
Ching-Hon Pui (Memphis, USA) TBC
- 9:40- **Title**  
Name of presenter (city, country)

### Round table: point-of-care production

Chair(s): Ibrahim Yakoub-Agha (Lille, France), Christian Chabannon (Marseille France)

- 10 :00- **Centralized production versus point-of-care production**  
Chrystel Marton (Lille, France),
- 10:10- **Difficulties and challenge for point-of -care production**  
Arnon Nagler (Tel Aviv, Israel),
- 10:20: **Academic vector production**  
Ulrike koehl (Liebzig, Germany)
- 10:30: **round table**  
Olivier Boyer (Rouen, France), Jérôme Larghero (Paris, France), Camille Giverne (Rouen, France), Christophe Ferrand (Besançon, France) Arnon Nagler (Tel Aviv, Israel), Chrystel Marton (Lille, France),

**11:00 – Coffee break**

### Symposium NOVARTIS

Chair(s): name(s) of chair(s) (City, country)

- 11:30 : **Title**  
Name of presenter (city, country)

### Academic session

Chairs: Louis Terriou (Lille, France) & Dominique Farge Bancel (Paris, France)

- 12:00- **Incorporating radiation with CAR T-cell therapy**  
Omrans Saifi (Florida, USA)
- 12:20- **Boosting antitumoral T cell responses with the epichaperome inhibitor PU-H71 : perspectives for CAR T cell and other cellular immunotherapies**  
Monica Guzman (NY, USA)
- 12:40- **Infections and CAR T**  
David Beauvais (Lille, France)
- 13:00- **CAR-T cell therapy for Lupus**  
Georg Schett (city, Germany)

**13:30 – Lunch break**

### SFI & CITC session : Harnessing immune signaling for innovative cell therapy

Chairs : Laurence Bataille (Paris, France) & Jacques Nunès (Marseille, France)

- 14:30- **Integrated approaches to dissect signaling in T cells**  
Romain Roncagalli (Marseille, France)
- 14:50- **Can we learn about CAR T-cells by studying immune synapse formation ?**  
Claire Hivroz (Paris, France)
- 15:10- **Deciphering metabolic regulation in lymphocytes to improve future cell therapies**  
Antoine Marçais (Lyon, France)

**15:30 – End of the meeting and conclusions**

Ibrahim Yakoub-Agha & Suman Mitra