



4th French International Symposium on CAR T Cells (CAR T Day)

Organized by the Faculty of Medicine and Lille University Hospital
Under the auspices of the Chronic Malignancies Working Party of the EBMT and the
Francophone Society of Bone Marrow Transplantation and Cellular Therapy (SFGM-TC)

January 15th and 16th, 2020

Faculté de Médecine-pôlèrecherche, 1 place de Verdun, 59000 Lille, France

Wednesday January 15th, 2020

08:30 - **Welcome and registration**

09:15 – **Introduction**

*Didier Gosset, Dean of the Faculty of Medicine,
Ibrahim Yakoub-Agha and Suman Mitra*

Session 1: Basics of CAR T immunotherapy

Chairs : *Suman Mitra (Lille, France), Myriam Labalette (Lille, France)*

9:30- **Role of memory stem cells in CAR T therapy**

Enrico Lugli (Humanitas, Milan, Italy)

- 10:00- **NK cell-based cellular immunotherapy against hematological malignancies**
Mattias Karlsson (Karolinska, Sweden)
- 10:30- **Monitoring of CAR T-cells targeting leukemic stem cells: lessons from pre-clinical models**
Monica Guzman (Weill Cornell Medicine, New York, USA)
- 11:00- **Tuning cytokine-induced signaling pathways to refine current CAR T therapy protocols**
Suman Mitra (Lille, France)

11:20–**Coffee break**

CART Day lectures I – The next challenges

Chairs: *Bruno Quesnel (Lille), Nicolaus Kröger (Humbourg, Germany)*

- 11:40- **Hematological Malignancies**
Carl June (U Penn, Philadelphia, USA)
- 12:25- **Solid tumors**
George Coukos (Ludwig Institute for Cancer Research, Lausanne)

13:10– **Lunch**

Session 2: Patient Management: recommendations of the EBMT & JACIE

Christian Chabannon (Marseille, France), Riccardo Saccardi (Italy)

- 14:00- **Patient eligibility and short-term complications**
Patrick Hayden (Dublin, Ireland)
- 14:20- **The role of the cell therapy unit**
Halvard Bönig (Frankfurt, Germany)
- 14:40- **Medium- and long-term complications**
Ibrahim Yakoub-Agha, (Lille, France)
- 15:00- **Immune effector cells and JACIE accreditation**
John A. Snowden (Sheffield, UK)

15:30 – **Coffee break**

Session 3: Clinical data

Chairs : Franck Morschhauser (Lille, France), Catherine Thieblemont (Paris, France)

- 15:45- **The Natural Basis of Synthetically Augmented CAR T-Cell Therapy.**
Joseph Melenhorst (U Penn, Philadelphia, USA)
- 16:15- **Off the shelf CAR T cells**
Armin Ghobadi (Saint Louis, USA)
- 16:40- **CAR T cells as a bridge to allo-HCT**
Stephan Mielke (Stockholm, Sweden)
- 17:10- **How to improve CAR T efficacy in CLL**
Jordan Gauthier, (FHCRC, Seattle, USA)
- 17:20- **Patient-reported Outcomes with CAR T: Challenges and Opportunities**
Navneet Majhail (Cleveland, Ohio, USA)
- 17H50 – **Conclusion I. Yakoub-Agha**

Thursday January 16th, 2020

08:30 - **Welcome and registration**

Session 4: Clinical data

Chairs : Thierry Facon (Lille, France) ; André Baruchel (Paris, France)

- 09:00- **How to overcome tumor escape after CAR T therapy in ALL**
Carl June (U Penn, Philadelphia, USA)
- 09:30- **Loss of B cell aplasia/loss of CART cells**
André Baruchel (Paris, France)
- 09:50- **Bi and tri-specific monoclonal antibodies in multiple myeloma**
Salomon Manier (Lille, France)
- 10:10- **How to better target plasma cells**
Michael O'Dwyer (Galway, Ireland)
- 10:40- **Chinese experience**
He Huang (Hangzhou, China)

11:10- Coffee break

11:25- Group photo

CART Day lectures II - Microbiome

Chairs: Jacques-Olivier Bay (Clermont-Ferrand, France), Mohamad Mohty (Paris, France)

- 11:30- **Impact of intestinal microbiome on CAR T patient outcomes**
Marcel van den Brink (MSKCC, New York, USA)

12:20– Lunch

Session 5: Manufacturing and monitoring of CAR T cells

Chairs: Olivier Boyer (Rouen, France), Jérôme Larghero (Paris, France)

- 13:30- **Implementing CAR T cells in an academic setting: French guidelines from the SFGM-TC**
Marine Deschamps (EFS, Besançon, France)
- 14:00- **Implementing CAR T cells in a European academic setting**
Alvaro Urbano-Ispizua (Barcelona, Spain)
- 14:30- **New technologies for CAR T cells production: the sleeping beauty paradigm**
Michael Hudecek (Wurzburg, Germany)

15:00- Coffee break

Session 6: Challenges and strategies

Chairs: Christian Chabannon (Marseille, France), Marie-Thérèse Rubio (Nancy, France)

- 15:20- **Balancing effector functions and survival - towards a molecular understanding of lymphoid maintenance**
Rahul Roychoudhuri (Cambridge, UK)
- 16:00- **Implication of artificial intelligence in cellular therapy approaches**
Layth Sliman (Olab-Dynamics Association of Technology Transfer and EFREI-Paris, France)
- 16:30- **Clinical pharmacy and artificial intelligence**
Nicolas Simon (Lille, France)

17h00- Conclusion and end of the meeting