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

January 15th and 16th, 2020

Organized by the Faculty of Medicine and Lille University Hospital
Under the auspices of the European Society for
Blood and Marrow Transplantation and the Francophone Society
of Bone Marrow Transplantation and Cellular Therapy

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



Wednesday January 15th, 2020

08:30 - Welcome and registration

09:15 – Introduction

Eric Boulanger, Vice-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)

09:30 - **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 Carlsten (Karolinska University Hospital, Stockholm, 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)

11h20 – 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)

13h10 – Lunch

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

Chairs: 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 Böni (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)

15h30 – 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**

Jan Joseph Melenhorst (U Penn, Philadelphia, USA)

16:15 - **CAR T cells as a bridge to allo-HCT**

Stephan Mielke (Karolinska University Hospital, Stockholm, Sweden)

16:45 - **How to improve CAR T efficacy in CLL**

Alexandre V. Hirayama, (FHCRC, Seattle, USA)

17:10 - **Real-life CAR T-cell therapy: The Lille University Hospital experience**

David Beauvais (Lille, France)

17:40 - **BCMA CAR T-cell therapy for multiple myeloma: A meta-analysis**

Sébastien Anguille (Antwerp University Hospital, Belgium)

18H00 – Conclusion

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)

11h00 – Coffee break

11h25 – 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)

12h20 – Lunch

Session 5: Manufacturing and monitoring of CAR T cells

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

13:20 - **Implementing CAR T cells in an academic setting: French guidelines from the SFGM-TC of lymphoid maintenance**

Marina Deschamps (EFS, Besançon, France)

13:50 - **Implementing CAR T cells in a European academic setting**

Alvaro Urbano-Ispizua (Barcelona, Spain)

14:20 - **New technologies for CAR T cells production: the sleeping beauty paradigm**

Michael Hudecek (Wurzburg, Germany)

14h50 – Coffee break

Session 6: Challenges and strategies

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

15:10 - **Balancing effector functions and survival - towards a molecular understanding of lymphoid maintenance**

Rahul Roychoudhuri (Cambridge, UK)

15:40 - **Implication of artificial intelligence in cellular therapy approaches**

Layth Sliman (EFREI-Paris, France)

16:10 - **Clinical pharmacy and artificial intelligence**

Nicolas Simon (Lille, France)

16:30 - **Targeting solid tumors with TEGs**

Zsolt Sebestyen (UMC Utrecht, Netherlands)

17H00 – Conclusion and end of the meeting