



Five Years Symposium of the new headquarters  
of the Josep Carreras Leukaemia Research Institute (IJC)

# Updates on Genetics and Epigenetics of Haematological Malignancies: From Knowledge to Applications

20-22 November, 2024

Auditorium of the Josep Carreras Leukaemia Research Institute (IJC)  
at Can Ruti Campus (Badalona, Barcelona)

Organizers: Laura Belver, Anna Bigas,  
Marcus Buschbeck and Manel Esteller

## PROGRAMME

### WEDNESDAY, 20 NOVEMBER

14:30 – 14:55 Registration

14:55 – 15:00 **Welcome - Manel Esteller**  
Director Josep Carreras Leukaemia Research Institute (IJC)

15:00 – 15:30 Opening Lecture, introduced by Manel Esteller  
**Ross Levine**  
Memorial Sloan Kettering Institute, New York, USA  
*"Deciphering and Targeting Clonal Evolution to AML"*

15:30 – 17:15 **Session 1 - Stem Cells and Premalignancy**  
Session Chair: Gregoire Stik

- Senior lectures (30+5)

#### **Anna Bigas**

Josep Carreras Leukaemia Research Institute (IJC) and Hospital del Mar Research  
Institute, Catalonia, Spain

*"From Stem Cell Biology to Cancer Therapeutics"*

#### **Michael Milsom**

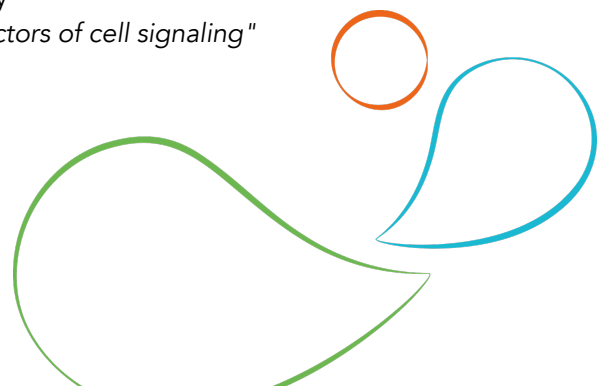
German Cancer Research Center (DKFZ), Heidelberg, Germany

*"Pre-malignant programming of hematopoietic stem cells during aging and  
inflammation"*.

#### **Florian H. Heidel**

Hannover Medical School (MHH), Germany

*"Epigenetic regulators as targets and effectors of cell signaling"*

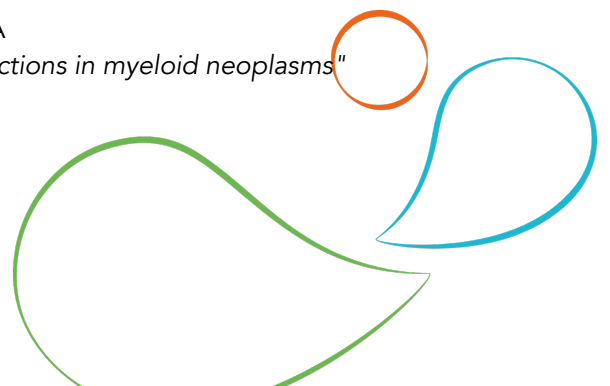




- 17:15 – 17:40      Group Photo and Coffee break
- 17:40 – 18:30      Selected Short talk (10+2) from Abstracts  
TBA
- Senior lecture (30+5)  
**Vincenzo Calvanese**  
Josep Carreras Leukaemia Research Institute (IJC), Catalonia, Spain  
*"Chromatin and transcriptional modulation in human blood stem cell self-renewal"*
- 18:30 – 19:30      Poster session, Cocktail and Networking

## THURSDAY, 21 NOVEMBER

- 09:00 – 11:20      **Session 2 - Premalignancy, Immune Niches and Disorders**  
Session Chair: Marcus Buschbeck
- Senior lectures (30+5)  
**George Vassiliou**  
Wellcome-MRC Cambridge Stem Cell Institute, Cambridge, UK  
*"Clonal haematopoiesis and telomere maintenance"*  
**Bruno Paiva**  
Clinica Universidad de Navarra, Centro de Investigación Médica Aplicada (CIMA), Spain  
*"Immunogenomic research in monoclonal gammopathies"*  
**Alberto Orfao**  
University of Salamanca, Spain  
*"Oncogenetic pathways and immune response in systemic mastocytosis: from bone marrow mastocytosis to advanced disease subtypes"*  
**Brigitte Schlegelberger**  
Hannover Medical School (MHH), Germany  
*"How to deal with genetic predisposition to hematologic malignancies"*
- 11:20 – 11:40      Coffee break
- 11:40 – 13:25      **Session 3 - Biology and Treatment of Myeloid Neoplasms**  
Session Chair: Manel Esteller
- Senior lectures (30+5)  
**Iannis Aifantis**  
New York University (NYU), New York, USA  
*"Mapping of tumor-immune system interactions in myeloid neoplasms"*





**Matteo Della Porta**

Humanitas Cancer Center, Milan, Italy

*"A single cell multi-omics approach to understand the mechanisms of leukemic evolution in patients with myelodysplastic syndromes"*

**Courtney DiNardo**

MD Anderson, Houston, USA

*"Individualizing AML Therapy: Best Practices and Novel Therapeutics in 2024"*

13:25 – 13:40

Selected Short talk (10+2) from Abstracts

TBA

13:40 – 14:40

Lunch and Poster Session

14:40 – 16:05

**Session 4 - Epigenetics and Hematological Malignancies**

Session Chair: Biola M. Javierre

Senior lectures (30+5)

**Manel Esteller**

Josep Carreras Leukaemia Research Institute (IJC), Catalonia, Spain

*"Epigenetics and Epitranscriptomics in Hematological Malignancies"*

**Christoph Plass**

German Cancer Research Center (DKFZ), Heidelberg, Germany

*"Enhancer hijacking in acute myeloid leukemia"*

Selected Short talk (10+2) from Abstracts

TBA

16:05 – 16:25

Coffee break

16:25 – 17:50

**Session 5 - Biology and Treatment of Acute Leukemias**

Session Chair: Laura Belver

- Senior lectures (30+5)

**Jan Cools**

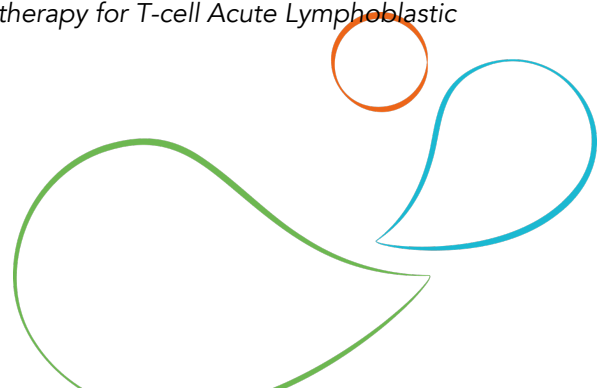
KU Leuven, Center for Human Genetics, Belgium

*"Transcriptional deregulation in T-cell acute lymphoblastic leukemia"*

**Maria L. Toribio**

Centro de Biología Molecular "Severo Ochoa", Madrid, Spain

*"Pre-TCR targeting as a Selective Immunotherapy for T-cell Acute Lymphoblastic Leukemia"*





Selected Short talk (10+2) from Abstracts

TBA

17:50 – 19:00

Poster session, Cocktail and Networking

## FRIDAY, 22 NOVEMBER

09:00 – 10:40

**Session 6 - Biology and Treatment of Acute Leukemias**  
Session Chair: Tomàs Navarro

- Senior lectures (30+5)

**Teresa Palomero**

Columbia University, New York, USA

*"Navigating the Molecular Landscape of Peripheral T-Cell Lymphomas: from Somatic Mutations to Mouse Models and Beyond"*

**Francesco Bertoni**

Institute of Oncology Research in Bellinzona, Switzerland

*"Mechanisms of resistance to BCR signaling inhibitors in B-cell lymphomas"*

Selected Short talk (10+2) from Abstracts

TBA

Selected Short talk (10+2) from Abstracts

TBA

10:40 – 11:10

Coffee break

11:10 – 11.45

Closing Lecture, introduced by Manel Esteller.

**Ari Melnick**

Weill Cornell Medicine, New York, USA

*"Epigenetic mechanisms and targeted therapies for B cell lymphoma"*

11:45 – 11:50

Final remarks and Farewell

