

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
Josep Carreras Leukaemia Research Institute (IJC)

PROGRAMME

WEDNESDAY, 20 NOVEMBER

- 14:30 – 14:55 Registration
- 14:55 – 15:00 **Welcome - Manel Esteller**
Josep Carreras Leukaemia Research Institute (IJC), CIBERONC
- 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), Hospital del Mar Research Institute, CIBERONC, 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

With the participation of:



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 leukaemia prevention"

Bruno Paiva

Clinica Universidad de Navarra, Centro de Investigación Médica Aplicada (CIMA), Spain

"Immunogenomic research in monoclonal gammopathies"

Alberto Orfao

University of Salamanca, CIBERONC, 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

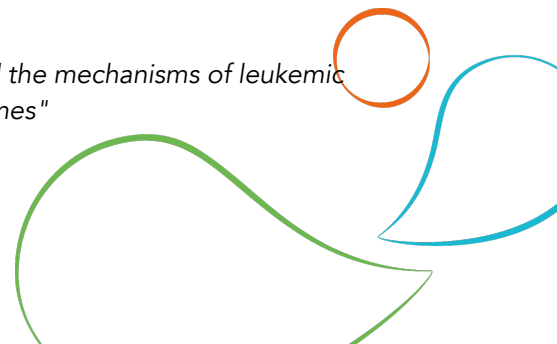
"Mapping of tumor-immune system interactions in myeloid neoplasms"

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"

With the participation of:



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), CIBERONC, 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

With the participation of:



FRIDAY, 22 NOVEMBER

09:00 – 10:40

Session 6 - Biology and Treatment of Lymphomas 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, 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

With the participation of:

