

ONCOBELL

3rd International Symposium

New frontiers in cancer therapies
and personalized medicine

Barcelona, October 3rd - 4th, 2024

Venue:

Auditorium HUB, Main floor, Bellvitge University Hospital.
Feixa Llarga, sn 08907 Hospitalet de Llobregat, Barcelona

Organized by



ORGANIZING COMMITTEE

Ernest Nadal
Óscar Martínez Tirado
Barbara Rivera
Cristina Muñoz Pinedo
Mireia Olivan Riera
Oriol Casanova
Ruth Rodríguez Barrueco
Elisa Espinet
Albert Antolin
Josep M^a Piulats
Purificación Muñoz

SCIENTIFIC COMMITTEE

Óscar Martínez Tirado
Barbara Rivera
Mireia Olivan Riera
Ruth Rodríguez Barrueco
Elisa Espinet
Albert Antolin

PARTNERS



ONCOBELL

3rd International Symposium

THURSDAY, OCTOBER 3rd

08:00 - 08:45 **REGISTRATION**

08:45 - 09:00 **WELCOME AND INTRODUCTION**

Gabriel Capellá, Director of Bellvitge Biomedical Research Institute (IDIBELL), L'Hospitalet de Llobregat

09:00 - 10:00 **OPENING KEYNOTE LECTURE**

Epithelial plasticity trajectories in breast cancer evolution

Chair:

Isabel Fabregat, Oncobell Program, IDIBELL, L'Hospitalet de Llobregat

Speaker:

Ángela Nieto, Conexión Cáncer – CSIC Coordinator & Alicante Institute for NeuroScience – CSIC-UMH, Sant Joan d'Alacant

10:00 - 10:30 **COFFEE BREAK ☕**

10:30 - 13:00 **SESSION I – TUMOR MICROENVIRONMENT**

Chair:

Cristina Muñoz Pinedo, Oncobell Program, IDIBELL, L'Hospitalet de Llobregat

10:30 - 11:00 **Defining tumor-supportive and -repressive elements of the cancer ecosystem**

Kristian Pietras, Lund University Cancer Centre

11:00 - 11:30 **Pancreatic cancer stroma, looking at the neighbor to face the problem**

Elisa Espinet, Oncobell Program, IDIBELL, L'Hospitalet de Llobregat

11:30 - 12:00 **Expelliarmus! Disarming stem-like cells in glioblastoma**

Julie Gavard, Nantes Université

12:00 - 13:00 **SELECTED ABSTRACTS - SHORT TALKS**

Crosstalk between adipocytes and cancer stem cells enhances pancreatic cancer aggressiveness

Alba Royo, Instituto de Investigación Sanitaria de Aragón (IIS Aragón), Zaragoza

Understanding cachexia to improve care of patients with lung cancer

Sara Hijazo-Pechero, Bellvitge Biomedical Research Institute (IDIBELL), L'Hospitalet de Llobregat

13:00 - 14:30 **POSTER SESSION & LUNCH BREAK 🍴**

THURSDAY, OCTOBER 3rd

14:30 - 18:00 SESSION II - IMMUNOTHERAPY ADVANCES

Chair:

Josep M^a Piulats, Oncobell Program, IDIBELL-ICO, L'Hospitalet de Llobregat

14:30 - 15:00 Immunotherapy with dendritic cells in immune memory induction and prevention of cancer relapse

David Sancho, Immunobiology Laboratory, Spanish National Center for Cardiovascular Research (CNIC), Madrid

15:00 - 15:30 An update of CAR based adoptive immunotherapies for hematological malignancies

Pablo Menéndez, Josep Carreras Leukaemia Research Institute, Barcelona

15:30 - 16:00 T-cell receptor therapy targeting oncogenic mutations in PDAC patients

Gal Cafry, Sheba Medical Center, Ramat Gan

16:00 - 16:30 Impact of cancer cell plasticity on therapy response

Purificación Muñoz, Oncobell Program, IDIBELL, L'Hospitalet de Llobregat

16:30 - 17:00 COFFEE BREAK ☕

17:00 - 18:00 SELECTED ABSTRACTS - SHORT TALKS

Rank pathway inhibition impairs immunosuppression in macrophages enhancing the anti-tumour response

Eva González Suárez, Spanish National Cancer Research Center (CNIO), Madrid

Eradication of large established tumors in mice by a new oncolytic vaccinia virus inducing immunogenic tumor cell death

Ana del Canizo, University of Barcelona & Bellvitge Biomedical Research Institute (IDIBELL), L'Hospitalet de Llobregat

18:00 - 19:00 THE INTEGRATION OF RESEARCH WITH MULTIDISCIPLINARY CLINICAL UNITS. PROSTATE CANCER AS AN EXAMPLE

Speakers:

Álvaro Aytes, Oncobell Program, IDIBELL, L'Hospitalet de Llobregat
Josep M^a Piulats, Oncobell Program, IDIBELL-ICO, L'Hospitalet de Llobregat

José Francisco Suárez, Hospital Universitari de Bellvitge, L'Hospitalet de Llobregat

María Pané, Hospital Universitari de Bellvitge, L'Hospitalet de Llobregat

Ana Boladeras, Institut Català d'Oncologia (ICO- Barcelona)

FRIDAY, OCTOBER 4th

09:00 - 10:00

ROUNDTABLE - CANCER SURVIVORSHIP AND PATIENT ENGAGEMENT IN SCIENCE

Chair:

Ernest Nadal, Bellvitge Biomedical Research Institute (IDIBELL), L'Hospitalet de Llobregat & Spanish Association of People Affected by Lung Cancer (AECaP)

Panelists:

Jésus Sánchez, Cris Cancer Foundation, Madrid

Vanesa Abón, Asociación Española Contra el Cáncer (AECC), Madrid

Begoña Nafría, Hospital Sant Joan de Déu, Barcelona

Bernard Gaspar, Asociación Española de Afectados de Cáncer de Pulmón (AEACaP), Valencia

Bernarda Moreira, Associació Prevenció i Informació Càncer Molins (PICAM), Barcelona

10:00 - 10:30

COFFEE BREAK ☕

10:30 - 12:30

SESSION III - UNFREQUENT TUMOURS

Chair:

Óscar Martínez Tirado, Oncobell Program, IDIBELL, L'Hospitalet de Llobregat

10:30 - 11:00

Role of precision medicine in management of unfrequent tumors

Jesús García Donas, Centro Integral Oncológico Clara Campal (HM-CIOCC), Hospital Universitario HM Sanchinarro, Madrid

11:00 - 11:30

Defining the genomic drivers of rare renal cell cancers to guide treatment

Cristina Rodríguez Antona, Institute for Biomedical Research Sols-Morreale (IIBM) CSIC/UAM, Madrid

11:30 - 12:00

Decoding the origins of childhood cancer

Alexandra Avgustinova, Sant Joan de Déu Research Institute (IRSJD), Institut for Research in Biomedicine (IRB), Barcelona

12:00 - 12:30

SELECTED ABSTRACTS - SHORT TALKS

A FGFR1 susceptibility allele modulates the oncogenic potential of driver mutations in brain tumors.

Jacopo Boni, Molecular Mechanisms and Experimental Therapy in Oncology Program Oncobell, Bellvitge Biomedical Research Institute (IDIBELL), L'Hospitalet de Llobregat

FRIDAY, OCTOBER 4th

Somatic uniparental disomy of PTEN in endothelial cells causes congenital vascular malformations in PTEN Hamartoma Tumor Syndrome (PHTS) patients.

Sandra Castillo, Josep Carreras Leukaemia Research Institute, Barcelona

12:30 - 14:00 **POSTER SESSION & LUNCH BREAK** 🍴

14:00 - 16:30 **SESSION IV – ADVANCED THERAPIES AND NEW TECHNOLOGIES**

Chair: Álvaro Aytes, Oncobell Program, IDIBELL, L'Hospitalet de Llobregat

14:00 - 14:30 **Predictions of Immunotherapy Efficacy in B-Cell Neoplasias through advanced single-cell multiomics methods**

Elisabetta Mereu, Josep Carreras Leukaemia Research Institute, Barcelona

14:30 - 15:00 **Targeted protein degradation: unlocking drug discoveries and navigating resistance challenges**

Cristina Mayor, Institute for Research in Biomedicine (IRB), Barcelona

15:00 - 15:30 **Targeting KRAS: Pre-Clinical Validation & Therapeutic Perspectives to Overcome Drug Resistance**

Chiara Ambroggio, Università degli Studi di Torino

15:30 - 16:00 **Harnessing chemical biology & machine learning in translational cancer research**

Albert Antolín, Oncobell Program, IDIBELL, L'Hospitalet de Llobregat

16:00 - 16:30 **SELECTED ABSTRACTS - SHORT TALKS**

Exploring the antitumor activity of the pore-forming toxin paraspurin as a candidate transgene for oncolytic adenoviruses

Laura Moya, Bellvitge Biomedical Research Institute (IDIBELL), L'Hospitalet de Llobregat

Deep learning-based analysis of histopathological images for predicting immune-related features and outcomes in colorectal cancer

Víctor Moreno, Institut Català d'Oncologia (ICO), L'Hospitalet de Llobregat

FRIDAY, OCTOBER 4th

16:30 - 16:45

EDITOR SHORT PRESENTATIONS

Kathryn McGinnis, Nature Portfolio, London
Jingyi Hou, EMBO Molecular Medicine, Heidelberg

16:45 - 17:15

COFFEE BREAK ☕ with EDITORS

17:15 - 18:05

CLOSING KEYNOTE LECTURE

A counterintuitive approach to cancer therapy

Chair:

Alberto Villanueva, Oncobell Program, IDIBELL, L'Hospitalet de Llobregat

Speaker:

René Bernards, Netherlands Cancer Institute, Amsterdam

18:05 - 18:15

POSTER AWARDS

Molecular Oncology and FEBS Journal

Molecular
Oncology

The
FEBS
Journal

18:15 - 18:30

CONCLUDING REMARKS

Josep M^a Piulats, Oncobell Program, IDIBELL-ICO, L'Hospitalet de Llobregat

Purificación Muñoz, Oncobell Program, IDIBELL, L'Hospitalet de Llobregat

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 Passatge Batlló 15, 08036 Barcelona

 93 451 17 24

 info@tacticsmd.net

 www.tacticsmd.net