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Barcelona, September 19 - 20 th, 2022
Bellvitge University Hospital

Oncobell

2nd International Symposium

Building bridges between
science, cancer medicine and
persons



Monday 19th

08:00 – 08:30 Registration

08:30 – 09:00 Welcome

09:00 – 10:00 **OPENING KEYNOTE LECTURE.**

- Imaging and targeting of premetastatic niches in melanoma. Marisol Soengas, CNIO, Madrid, Spain.

10:00 – 12:00 **SESSION 1: IMMUNE SYSTEM, INFLAMMATION AND CANCER.**

Chaired by: Ramón Alemany, Oncobell Program, IDIBELL-ICO.

- CD137-based immunotherapy from bench to bed and back to the future. Ignacio Melero, Clínica Universitaria de Navarra, Navarra, Spain.
- Developing immunotherapeutic strategies in rare tumors: Uveal melanoma as an example. Josep Maria Piulats, Oncobell Program, IDIBELL-ICO.
- role of the ecosystem in hepatobiliary cancer progression. Gianluigi Giannelli, GG National Institute of Gastroenterology Saverio De Bellis, Castellana Grotte, Bari, Italy.
- Protumorogenic consequences of starvation in the tumor microenvironment. Cristina Muñoz-Pinedo, Oncobell Program, IDIBELL-UB.

12:00 – 12:30 Coffee Break

12:30 – 13:30 **ROUND TABLE: CLINICAL INNOVATION: TECHNOLOGY AND MANAGEMENT.**

Chaired by: Ferran Guedea, Oncobell Program, IDIBELL-ICO & Jordi Ponce, Oncobell Program IDIBELL-HUB.

- Radiation with proton and FLASH therapy. Jean Bourhis, CHUV, Lausanne, Switzerland.
- Technological and process innovation. robotics and enhanced recovery after surgery (ERAS). Jordi Ponce, Oncobell Program, IDIBELL-HUB.
- Digital Pathology as a tool to improve pathology workload, diagnosis and research. The example of DigiPATcs. Xavier Matias-Guiu, Oncobell Program, IDIBELL-HUB.

13:30 – 16:00 **Poster Session & Lunch**

14:30 – 15:15 Even-numbered posters

15:15 – 16:00 Odd-numbered posters

16:00 – 18:00 **SESSION 2: DNA REPAIR AND GENOMICS IN CANCER.**

Chaired by: Barbara Rivera, Oncobell Program, IDIBELL-ICO.

- The chronic lymphocytic leukemia epigenome: biological insights and clinical applications. Iñaki Martín Subero, IDIBAPS, Barcelona, Spain.
- Latest insights into colorectal cancer predisposition. Laura Valle, Oncobell Program, IDIBELL-ICO.
- Understanding oncogenesis across biological scales: from individual mutations to tissue structure. Eduard Porta, BSC, Barcelona, Spain.
- Clinical implications of DNA repair defects in prostate cancer. Elena Castro, Hospital 12 de octubre, Madrid, Spain.

Tuesday 20th

08:30 - 10:30 **SESSION 3: TARGETING SIGNALING PATHWAYS**

Chaired by: Purificación Muñoz, Oncobell Program, IDIBELL.

- Inflammation and ER stress pave the way to pancreatic cancer. Francisco X.Real, CNIO, Madrid, Spain.
- Identification of new oncogenic drivers involved in GTPase signaling. Xosé R. Bustelo, CSIC, Universidad de Salamanca
- Understanding chemotherapy resistance in T cell Acute lymphoblastic leukemia. Anna Bigas, IMIM, Barcelona, Spain.
- Predictive Power of TGF- β Signaling in Cancer Therapy. Mary Helen Barcellos-Hoff, University of California, (UCSF), USA

10:30 - 11:00 **Coffee Break**

11:00 - 13:00 **SESSION 4: METASTASIS & RESPONSE TO THERAPY**

Chaired by: Isabel Fabregat, Oncobell Program, IDIBELL-UB-CIBERhd

- Stem cell-like immunotherapy resistance in metastatic breast cancer. Antoni Celià Terrassa. IMIM, Barcelona, Spain.
- Ovarian cancer dissemination relies on PDGFRs and S1PR1 for tumorsphere formation and proliferation. Francesc Viñals, Oncobell Program, IDIBELL-UB-ICO
- Breast Cancer metastasis cell fate. Roger Gomis, IRB, Barcelona, Spain.
- The amoeboid state as part of the epithelial to mesenchymal transition program in cancer. Vicky Sanz Moreno, Barts Cancer Institute, QMUL, London, UK.

13:00 - 14:00 **CLOSING KEYNOTE LECTURE**

Exploiting immune surveillance to target colorectal cancer evolution and mutability. Alberto Bardelli, IFOM ETS, Milán and University of Torino, Dept. of Oncology, Italy.

14:00 - 14:15 **CLOSING SESSION**

The second Oncobell symposium will be a forum to discuss basic and clinical advances in cancer research with outstanding professionals.

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