

CIBERONC workshop

Preclinical Models for Translational Research

21 & 22 October 2019. Esteve auditorium, IDIBAPS-Centre Esther Koplowitz. Barcelona

Organization:

Elena Sancho, José Angel Martínez-Climent, Cristina Bernadó and Patricia Pérez-Galán from CIBERONC -Experimental Models Work Module

Day 1

9:00 Welcome from CIBERONC Director and introduction by Work Module Leader

Organoids

9:15 Invited speaker: Patient-Derived Organoids for Drug Screening & Development, and Patient Stratification (*Dr. Sylvia Boj, Scientific Director Hubrecht Organoid Technology (HUB), Utrecht, Netherlands*)

9:45 Editing CRC organoids from human biopsies (*Carme Cortina, Institute for Research in Biomedicine (IRB), Barcelona. [CB16/12/00342](#)*)

10:15 Breast cancer organoids (*Enrique Arenas, Vall d'Hebron Institute of Oncology (VHIO), Barcelona. [CB16/12/00449](#)*)

10:45 Lung cancer organoids (*Silvestre Vicent, Center for Applied Medical Research (CIMA), Pamplona. [CB16/12/00443](#)*)

Coffee break 11:15-11:45

Humanized –PDX

11:45 Hu-PDX in hematological malignancies (*Clara Bueno, Josep Carreras Leukaemia Research Institute, Barcelona* - [CB16/12/00244](#))

12:15 Novel Hu-PDX for immunotherapy development (*Miguel F. de Sanmamed - Center for Applied Medical Research (CIMA)*, [CB16/12/00364](#))

12:45 Hu-PDX in lung cancer (*Irene Ferrer, Hospital Universitario Doce de Octubre, Madrid*, [CB16/12/00442](#))

13:15 Hu-PDX in breast cancer (*Beatriz Moranco, Vall d'Hebron Institute of Oncology (VHIO) Barcelona*. [CB16/12/00449](#))

Lunch break (buffet) 14:00-15:00

Transgenic mice

15:00 Invited speaker: How to build human hematological malignancies in a mouse (*Isidro Sánchez García, Cancer Research Center (CIC), Salamanca*)

15:30 An organoid Biobank derived from GEMM CRC mouse models (*Elena Sancho, Institute for Research in Biomedicine (IRB), Barcelona*. [CB16/12/00342](#))

16:00 Breast cancer tg mice (*David Sarrió, Autonomous University of Madrid (UAM), Madrid*. [CB16/12/00295](#))

16:30 Questions & Answers

Day 2

Keynote lecture

9:00-9:45 Targeting K-RAS in Lung and Pancreatic Cancer. (*Mariano Barbacid, National Cancer Research Center (CNIO) Madrid*)

Organoids' practicum

9:45-10:15 Experimental challenges, troubleshooting and critical steps in organoid generation (*Adrià Canyellas, Institute for Research in Biomedicine (IRB), Barcelona. [CB16/12/00342](#)*)

10:15-10:45 Advanced microscopy techniques for organoid characterization (*Julien Collombelli, IRB imaging facility*)

10:45-11:15 coffee break

Animal model's practicum

11:15-11:45 How to build an experimental protocol with animal models: ethical questions, breeding, genotyping, cryopreservation (*Maria José García Barchino, Center for Applied Medical Research (CIMA) Pamplona, [CB16/12/00489](#)*)

11:45-12:15 How to evaluate efficacy of (immuno)therapy in immunocompetent mouse models of cancer (*Sergio Roa, Center for Applied Medical Research (CIMA) Pamplona, [CB16/12/00489](#)*)

How to choose the right experimental model

12:30-13:00. Experimental set up 1- Elena Sancho & Adrià Canyellas (*Institute for Research in Biomedicine (IRB), Barcelona. [CB16/12/00342](#)*)

13:00-13:30. Experimental set up 2- Jose Angel Martínez Climent & Sergio Roa (*Center for Applied Medical Research (CIMA) Pamplona, [CB16/12/00489](#)*)

13:30 Concluding remarks and adjourn (P. Pérez-Galán)