

CIBERONC workshop

Preclinical Models for Translational Cancer Research

9-10 December 2019. Aula Magna, Faculty of Medicine, University of Barcelona

Campus Clínic August Pi i Sunyer. Casanova, 143

Registration: <https://forms.gle/m8iiSBpa285MZeTY9>

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

Day 1

13:00 Lunch buffet

14:00 Welcome from CIBERONC Director and introduction by Work Module Leader

Keynote lecture

Introduction by Patricia Pérez-Galán

14:15-15:00 Targeting K-RAS in Lung and Pancreatic Cancer. (*Mariano Barbacid. National Cancer Research Center (CNIO), Madrid*)

Transgenic mice

Chair: Patricia Pérez-Galán

15:00-15:30 Animals and 3D models to characterize new oncogenic pathways (*Xosé Bustelo, Cancer Research Center (CIC), Salamanca. CB16/12/00351*)

15:30-16:00 Breast Cancer transgenic mice (*David Sarrió, Autonomous University of Madrid (UAM), Madrid. CB16/12/00295*)

16:00-16:30 An organoid Biobank derived from GEMM CRC mouse models (*Elena Sancho, Institute for Research in Biomedicine (IRB), Barcelona. CB16/12/00342*)

16:30-17:00 Harnessing prostate cancer GEM models for preclinical research in therapy resistance (*Álvaro Aytes Meneses, IDIBELL, Barcelona*)

Day 2

Humanized –PDX

Chair: Cristina Bernadó

9:00-9:45 Invited speaker: Chemotherapy and Orthotopic Xenografts (*Alberto Villanueva, Catalan Institute of Oncology (ICO) and XenoPat, Barcelona*)

9:45-10:15 Hu-PDX in hematological malignancies (*Clara Bueno, Josep Carreras Leukaemia Research Institute, Barcelona. CB16/12/00244*)

10:15-10:45 NK immunoavatar (*Carmen Ochoa, Center for Applied Medical Research (CIMA), Pamplona. CB16/12/00364*)

10:45-11:15 Hu-PDX in breast cancer (*Beatriz Morancho, Vall d'Hebron Institute of Oncology (VHIO) Barcelona. CB16/12/00449*)

11:15-11:45 *Coffee Break*

Organoids

Chair: Elena Sancho

11:45-12:15 A three-dimensional bioprinted model for neuroblastoma mechanotherapy identification. (*Rosa Noguera, Medical School of Valencia. CB16/12/00484*)

12:15-12:45 Lung cancer organoids (*Silvestre Vicent, Center for Applied Medical Research (CIMA), Pamplona. CB16/12/00443*)

12:45-13:15 Breast cancer organoids (*Enrique Arenas, Vall d'Hebron Institute of Oncology (VHIO), Barcelona. CB16/12/00449*)

13:15-14:00 Invited speaker: Patient-Derived Organoids for Drug Screening & Development, and Patient Stratification (*Dr. Sylvia Boj, Scientific Director Hubrecht Organoid Technology (HUB), Utrecht, Netherlands*)

Lunch break 14:00- 15:00

Practicum

Chair: Patricia Pérez-Galán

15:00-15:45 Invited speaker: Rational therapeutic combinations with BH3 mimetics to overcome cancer adaptation to treatment (*Joan Montero, Institute for Bioengineering of Catalonia (IBEC), Barcelona*)

15:45-16:15 Editing CRC organoids from human biopsies (*Carme Cortina, Institute for Research in Biomedicine (IRB), Barcelona. CB16/12/00342*)

16:15-17:00 Questions & Answers

17:00 Adjourn