

# 14th CNAG SYMPOSIUM ON GENOME RESEARCH CANCER GENOMICS

15<sup>TH</sup>  
cnag  
anniversary

16th December 2025

## 09:00 REGISTRATION

- 09:30** Welcome to the 14th CNAG Symposium on Genome Research  
Ivo Gut PhD. Centro Nacional de Análisis Genómico (CNAG)
- 09:45** Title (TBC)  
Sabine Tejpar PhD. KU Leuven Research & Development (KU LEUVEN)
- 10:10** Tracing colorectal malignancy transformation from cell to tissue scale  
Anna Pascual PhD. Centro Nacional de Análisis Genómico (CNAG)
- 10:35** Discover innovative perspectives on biology through Single Cell & Spatial Techniques  
Andrés Ramírez PhD. 10x Genomics
- 10:50** Plasticity, therapy resistance and immune evasion in metastatic colorectal cancer  
Eduard Batlle PhD. ICREA & Cancer Science Program, Institute for Research in Biomedicine (IRB Barcelona)

## 11:15 COFFEE BREAK

- 11:45** Harnessing Germline Genomics for Personalized Radiotherapy and Improved Hereditary Cancer Diagnosis  
Sara Gutiérrez PhD. Vall d'Hebron Institute of Oncology (VHIO)
- 12:10** Sequencing by expansion (SBX) - A versatile, high-throughput single-molecule sequencing technology  
Matteo Spagnoletti PhD. Roche
- 12:25** The genomic footprint of breast cancer risk factors  
Marjanka Schmidt PhD. Netherlands Cancer Institute (NKI), Leiden University Medical Center (LUMC)
- 12:50** Beyond the genome with multiomics: Unlocking deeper biology  
Nadia Sediyarova PhD. Illumina

## 13:05 LUNCH TIME

- 14:05** Development of tools to facilitate cancer genomics data analysis and interpretation  
Sergi Beltran PhD. Centro Nacional de Análisis Genómico (CNAG)
- 14:30** Target Enrichment Approaches for Next-Generation Sequencing Applications in Oncology: an update from Agilent Technologies  
Vincenzo Lupo PhD. Agilent
- 14:45** National initiatives addressing unsolved hereditary cancer cases: From IMPACT Genómina Cancer to IMPACT VUSCan functional genomics network  
Conxi Lazaro PhD. Institut Català d'Oncologia - Instituto de Investigación Biomédica de Bellvitge (ICO-IDIBELL)
- 15:10** Single-cell genomic profiling of Circulating tumor cells (CTCs) and CTC-cluster in stage IV Breast Cancer  
Roberto Piñeiro PhD. Health Research Institute of Santiago de Compostela (IDIS)
- 15:35** From discovery to ultra rapid tumor profiling: The power of ultra rich Nanopore reads in cancer  
Christophe Fleury PhD. Oxford Nanopore Technologies
- 15:50** Why would you go on a journey without a map?  
Ivo Gut PhD. Centro Nacional de Análisis Genómico (CNAG)

## 16:15 CLOSURE AND VISIT TO CNAG FACILITIES

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