

12th CNAG SYMPOSIUM ON GENOME RESEARCH: State-of-the-art genomic technologies

**12th
December
2023**



Symposium

09:00 - 16:25 H

Visits

16:25 - 17:35 H



Location

Auditori Antoni Caparrós
Parc Científic de Barcelona,
Tower D
Baldri Reixac, 4
Barcelona, SPAIN



Free registration

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09:00 H REGISTRATION

09:30 H



Welcome to the 12th CNAG Symposium on Genome Research
Ivo Gut, Centro Nacional de Análisis Genómico (CNAG)

09:45 H



Human cell atlases in health and disease
Holger Heyn, Centro Nacional de Análisis Genómico (CNAG)

10:10 H



Decoding oncogenic processes in childhood cancer
Alexandra Avgustinova, Institut de Recerca Joan de Déu (IRSJD)

10:35 H



The Xenium platform - initial experiences from a core lab
Susan Kloet, Leiden University Medical Center (LUMC)

10:50 H



In-situ spatial transcriptomics as a tool for next-generation pathology
Anna Pascual, Centro Nacional de Análisis Genómico (CNAG)

11:15 H

COFFEE BREAK

11:45 H



How do I choose the right spatial biology technology?
Bernat Coll-Martínez, Diagnostica Longwood

12:00 H



Dynamic changes of tumor and microenvironment in colorectal cancer. From bench to bedside and bench again
Iosune Baraibar, Vall d'Hebron Instituto de Oncología (VHIO)

12:25 H



Recent advances in Illumina technologies and their applications
Pietro Gatti, Illumina

12:40 H



Structure determination of genomes and genomic domains by image tracing
Marc A. Martí-Renom, Centro Nacional de Análisis Genómico (CNAG)

13:05 H

LUNCH

14:05 H



Applying single-cell RNA sequencing and spatial transcriptomics to understand inflammatory bowel disease
Azucena Salas, Inflammatory Bowel Disease group (FRCB-IDIBAPS)

14:30 H



Long-Read sequencing: advances and bottlenecks
Marta Gut, Centro Nacional de Análisis Genómico (CNAG)

14:55 H



Diagnosing mitochondrial diseases with novel genomic technologies
Rita Horvath, Department of Clinical Neurosciences, University of Cambridge

15:20 H



Going beyond - why what you're missing matters and how to get there
Daniel Fordham, Oxford Nanopore Technologies

15:35 H



The pearly razorfish as model species for behavioural and population genomics
Margarida Barceló, Institut Mediterrani d'Estudis Avançats, IMEDEA (UIB-CSIC)

16:00 H



Genomics of sex chromosome evolution in cichlid fish
Astrid Böhne, Museum Koenig Bonn

16:25 H

CLOSURE AND VISIT TO CNAG INSTALLATIONS