15th CNAG SYMPOSIUM ON GENOME RESEARCH

Single Cell and Spatial Genomics

10TH DECEMBER 2026

09:00 REGISTRATION

09:30 Welcome to the 15th CNAG Symposium on Genome Research
Ivo Gut, PhD. Centro Nacional de Análisis Genómico (CNAG)

09:45 From Human Cell Atlases to Virtual Cells - Building predictive models of human biology
Holger Heyn, PhD. ICREA Professor, Centro Nacional de Análisis Genómico (CNAG)

10:10 New insights into mucosal immunity from single-cell and spatial transcriptomics
Celia Corral-Vazquez, PhD MSc. Hospital del Mar Research Institute (HMRIB)

10:35 From Trade-offs to Breakthroughs: Redefining Spatial Transcriptomics with Illumina StrataMap™ Spatial
Álvaro Sánchez, MSc. Illumina

10:50 Whole-Transcriptome Spatial Profiling of FFPE Brain (Organoid) tissues: A "head-to-head" benchmark
Tancredi Massimo Pentimalli, PhD. Bonsai Lab

11:05 Immune Dysregulation in Neuro-Long COVID: A Single-Cell Profiling of Blood and CSF
Marta Ruiz, PhD. Institut de Recerca sobre Immunopatologies-Caixa (IrsiCaixa)

11:30 COFFEE BREAK

12:00 Single cell multiome profiling of human healthy pancreas reveals novel ductal populations associated with pancreatic cancer prognosis and classification
Meritxell Rovira, Professor. Universitat de Barcelona (UB) and IDIBELL

12:25 Sequencing by expansion (SBX) - entering a new dimension in single-cell sequencing
Bernd Timmermann, PhD. Roche

12:40 Spatial Omics of Lymphoid Organs: From Reference Architecture to Disease Remodelling
Anna Pascual-Reguant, PhD. Centro Nacional de Análisis Genómico (CNAG)

13:05 Preserving 3D Tissue Architecture with Volumetric Spatial Multi-omics
Min Mo, PhD. Stellaromics

13:20 Beyond Gene Expression: Full-Length Transcript Sequencing for Single Cell and Spatial Biology
TBC. Oxford Nanopore Technologies

13:35 LUNCH TIME

14:35 From patients to single cells and back: a translational view of brain tumor immune interactions
Pia Zeiner, PD Dr. med. Goethe University Frankfurt, University Medicine, Dr. Senckenberg Institute of Neurooncology

15:00 Bridging the gap between the spatial genomics and functional proteomics in tissue microenvironments
Ignacio Cardona, PhD. Diagnóstica Longwood

15:15 Aging and rejuvenation of hematopoietic stem cells
Maria Carolina Florian, PhD. ICREA Professor, Institut d'Investigació Biomèdica de Bellvitge (IDIBELL)

15:40 TBC
TBC. Agilent Technologies

15:55 TBC
Eduard Sabidó, PhD. Center for Genomic Regulation (CRG)

16:10 Chromosome tracing
Marc A. Marti-Renom, PhD. ICREA Professor, Centro Nacional de Análisis Genómico (CNAG)

16:35 CLOSURE AND VISIT TO CNAG FACILITIES

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