Scientific Programme

Tuesday 30th April 2024

Listed times are in Central European Summer Time (CEST)

11:30 REGISTRATION & WELCOME LUNCH (LUNCH FROM 12:00)
13:00 CONFERENCE WELCOME
SESSION 1: INTERSECTION OF FUNCTIONAL AND IMMUNOGENOMICS FOR THERAPY
Chair: Carlos Caldas
13:10 OPENING KEYNOTE LECTURE
Julian Downward
Francis Crick Institute, UK
“Investigating the interplay between oncogenic signaling and tumour immune evasion in lung cancer”
Q&A: 13:40-13:55

13:55 Elaine Mardis
Institute for Genomic Medicine, USA
“Oncolytic Viral Therapy Immunogenomics in adult GBM”
Q&A: 14:15-14:25

14:25 Diego Chowell
Icahn School of Medicine at Mount Sinai, USA
Q&A: 14:35-14:40

14:40 EXHIBITOR INTRODUCTIONS

14:50 COFFEE BREAK & EXHIBITION
Chair: James Brenton

15:20 Elisa Oricchio
EPFL, Switzerland
“Modulation of 3D chromatin structures to support tumor evolution”
Q&A: 15:40-15:50

15:50 Tancredi Massimo Pentimalli
Max Delbruck Center, Germany
Proffered Paper 2: “Single cell-resolved multimodal atlas of a lung tumor in 3D”
Q&A: 16:00-16:05

16:05 Clare Puttick
Francis Crick Institute, UK
Proffered Paper 3: “HLA disruption through genetic and non-genetic mechanisms is pervasive in lung and breast tumours”
Q&A: 16:15-16:20

16:20 MOLECULAR ONCOLOGY: CALL FOR CONTENT
16:30 POSTER SPOTLIGHTS
16:40 INDUSTRY SYMPOSIUM - BIOMODAL
Dr Jacob Househam
The Institute of Cancer Research (ICR), UK
‘Combined genetic and epigenetic analyses of a Lynch syndrome tumour’

17:10 NETWORKING QUIZ
Our fun, informal quiz offers conference participants the chance to make new connections on the first evening of the meeting.

17:40 WELCOME RECEPTION

Wednesday 1st May 2024
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08:15 EARLY POSTER VIEWING (WITH COFFEE & BISCUITS)
08:45 INDUSTRY SPOTLIGHT - LUNAPHORE TECHNOLOGIES
Clément Chavelier (Lunaphore, Switzerland) and Euplio Visco (ACD, Italy)
True spatial multiomics: when RNA meets protein on the same section

SESSION 2: SINGLE CELL CANCER DISSECTION
Chair: Núria López-Bigas

09:00 Ido Amit
Weizmann Institute of Science, Israel
“The power of ONE: Immunology in the age of single cell genomics”
Q&A: 09.20-09.30

09:30 Carlos Caldas
Cancer Research UK Cambridge Institute, UK
“Dissecting breast cancer ecosystems at single cell level”
Q&A: 09.50-10:00

10:00 Efrat Shema
Weizmann Institute, Israel
“Single-molecule and single-cell epigenetics: Decoding the epigenome for cancer research and diagnostics”
Q&A: 10:20-10:30

10:30 Fernando Perez
University of Helsinki, Finland
Proffered Paper 4: “Machine learning to reveal the specific cell-level spatial tumor microenvironment features across Ovarian Cancer clinico-molecular subtypes”
Q&A: 10:40-10:45

10:45 COFFEE BREAK & EXHIBITION
11:15  Yardena Samuels  
Weizmann Institute of Science, Israel  
"Revisiting the Neoantigen Approach for Cancer Immunotherapy"  
Q&A: 11:35-11:45

11:45  Daria Romanovskaia  
Center for Molecular Medicine, Austria  
Proffered Paper 5: "Plasticity and epigenetic regulation of Ewing sarcoma cell states"  
Q&A: 11:55-12:00

12:00  Sahil Sahni  
National Cancer Institute, USA  
Proffered Paper 6: "Deactivation of ligand-receptor interactions enhancing lymphocyte infiltration drives melanoma resistance to Immune Checkpoint Blockade"  
Q&A: 12:10-12:15

12:15  POSTER SPOTLIGHTS
12:30  LUNCH
13:30  POSTER DISCUSSION SESSION 2
SESSION 3: BIOMARKERS FOR PRECISION ONCOLOGY  
Chair: Elaine Mardis

15:00  Eytan Ruppin  
Center for Cancer Research, National Cancer Institute, USA  
"Next generation precision oncology: From omics to slides"  
Q&A: 15:20-15:30

15:30  Shira Sagie  
Weizmann Institute, Israel  
Proffered Paper 7: "KRAS G12V neoantigen-specific therapy modalities development and assessment"  
Q&A: 15:40-15:45

15:45  Francisco Martinez-Jimenez  
Vall d’Hebron Institute of Oncology (VHIO), Spain | Hartwig Medical Foundation, Netherlands  
"Unravelling the immunogenomic determinants of metastasis"  
Q&A: 16:05-16:15

16:15  COFFEE BREAK & EXHIBITION
16:45  Trevor Pugh  
Princess Margaret Hospital, OICR, Toronto, Canada  
"Early cancer surveillance through multi-modal analysis of cell-free DNA fragments in blood"  
Q&A: 17:05-17:15

17:15  James Brenton  
Cancer Research UK Cambridge Institute, UK  
"DNA damage response signatures as therapeutic predictors in recurrent drug-resistant ovarian cancer"
Q&A: 17:35-17:45

17:45  MEET THE SCIENTIFIC PROGRAMME COMMITTEE
The committee members will reflect on the conference so far before each providing insight into their personal and professional experiences of their routes into scientific leadership.

19:30  CONFERENCE DINNER
The Conference Dinner will be held at the atmospheric Ristorante Taverna Valtellinese. Optional ticketed event.

Thursday 2nd May 2024

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08:15  EARLY POSTER VIEWING (WITH COFFEE & BISCUITS)

08:45  INDUSTRY SPOTLIGHT - NONACUS
Tim Gilbert
Nonacus
‘GALEAS: Precision bioinformatics for precision oncology - MSH2 to 1p19q’

SESSION 4: SINGLE CELL CANCER ANALYTICS
Chair: Yardena Samuels

09:00  Bernd Bodenmiller
University of Zurich, Switzerland
“Highly multiplexed imaging of in situ tumor ecosystems towards precision medicine”
Q&A: 09:20-09:30

09:30  Asaf Madi
Tel Aviv University, Israel
“Integration of single-cell RNAseq data and protein-protein interaction networks”
Q&A: 09:50-10:00

10:00  Kevin Tu
University of Cambridge, UK
Proffered Paper 8: "Characterizing the breast cancer microenvironment using different data modalities and clinical associations at cell-state granularity”
Q&A: 10:10-10:15

10:15  COFFEE BREAK & EXHIBITION

10:45  Hannah Carter
UC San Diego, USA
“Interface-guided phenotyping of coding variants in the transcription factor RUNX1”
Q&A: 11:05-11:15

11:15  THE EMBO KEYNOTE LECTURE
Nuria Lopez-Bigas
Institute for Research in Biomedicine, Spain
“Clonal selection in normal tissues and its relation to cancer risk”
Q&A: 11:45-12:00
12:00  SUMMARY & CLOSE
12:10  DEPART