Cancer Multiomics and Computational Biology Programme
Bergamo, Italy
30 April - 2 May 2024

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 & James Brenton

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  Proffered Paper 1
Q&A: 14:35-14:40

14:40  EXHIBITOR INTRODUCTIONS

14:50  COFFEE BREAK & EXHIBITION

15:20  Elisa Oricchio
EPFL, Switzerland
“Oncogenic evolution of the chromatin 3D structure”
Q&A: 15:40-15:50

15:50  Yardena Samuels
Weizmann Institute of Science, Israel
“Revisiting the Neoantigen Approach for Cancer Immunotherapy”
Q&A: 16:10-16:20

16:20  POSTER SPOTLIGHTS

16:30  INDUSTRY SYMPOSIUM

17:00  NETWORKING RECEPTION
This session will allow conference participants to make new connections on the first evening of the meeting. Full details of the session will be announced soon.
Wednesday 1st May 2024

Listed times are in Central European Summer Time (CEST)

08:15  EARLY POSTER VIEWING (WITH COFFEE & BISCUITS)
08:45  INDUSTRY SPOTLIGHT

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

09:00  Carlos Caldas
Cancer Research UK Cambridge Institute, UK
“Dissecting breast cancer ecosystems at single cell level”
Q&A: 09.20-09.30

09:30  Proffered Paper 2

09:45  Efrat Shema
Weizmann Institute, Israel
“Single-molecule and single-cell epigenetics: Decoding the epigenome for cancer research and diagnostics”
Q&A: 10:05-10:15

10:15  Proffered Paper 3
Q&A: 10:25-10:30

10:30  Proffered Paper 4
Q&A: 10:40-10:45

10:45  COFFEE BREAK & EXHIBITION

11:15  Ido Amit
Weizmann Institute of Science, Israel
“The power of ONE: Immunology in the age of single cell genomics”
Q&A: 11:35-11:45

11:45  Proffered Paper 5
Q&A: 11:55-12:00

12:00  POSTER SPOTLIGHTS
12:10  INDUSTRY SYMPOSIUM
12:40  LUNCH

13:40  POSTER DISCUSSION SESSION 2
SESSION 3: BIOMARKERS FOR PRECISION ONCOLOGY
Chair: Elaine Mardis

15:10  Eytan Ruppin
Center for Cancer Research, National Cancer Institute, USA
“Next generation precision oncology”
15:40 Proffered Paper 6
Q&A: 15:50-15:55

15:55 Proffered Paper 7
Q&A: 16:05-16:10

16:10 Francisco Martinez-Jimenez
Centre for Molecular Medicine, Netherlands
“Unravelling the immunogenomic determinants of metastasis”
Q&A: 16:30-16:40

16:40 COFFEE BREAK & EXHIBITION

17:10 Trevor Pugh
Princess Margaret Hospital, OICR, Toronto, Canada
Q&A: 17:30-17:40

17:40 James Brenton
Cancer Research UK Cambridge Institute, UK
“DNA damage response signatures as therapeutic predictors in recurrent drug-resistant ovarian cancer”
Q&A: 18:00-18:10

18:10 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

Listed times are in Central European Summer Time (CEST)

08:15 EARLY POSTER VIEWING (WITH COFFEE & BISCUITS)
08:45 INDUSTRY SPOTLIGHT
SESSION 4: SINGLE CELL CANCER ANALYTICS
Chair: Yardena Samuels

09:00 TBC
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 Proffered Paper 8
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  CLOSING KEYNOTE LECTURE  
Nuria Lopez-Bigas  
Institute for Research in Biomedicine, Spain  
"Somatic mutations in tumors and normal tissues"  
Q&A: 11:45-12:00

12:00  SUMMARY & CLOSE

12:10  DEPART