

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 Time (CET)

- 11:30 REGISTRATION & WELCOME LUNCH (LUNCH FROM 12:00)
- 13:00 CONFERENCE WELCOME
- SESSION 1: INTERSECTION OF FUNCTIONAL AND IMMUNOGENOMICS FOR THERAPY
- 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
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.
- 17:30 WELCOME RECEPTION

18:15 POSTER DISCUSSION SESSION 1

Wednesday 1st May 2024

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

08:45 INDUSTRY SPOTLIGHT

SESSION 2: SINGLE CELL CANCER DISSECTION

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**

Q&A: 09:40-09:45

09:45 **TBC**

Q&A: 10:05-10:15

10:15 **Efrat Shema**

Weizmann Institute, Israel

"Single-molecule and single-cell epigenetics: Decoding the epigenome for cancer research and diagnostics"

Q&A: 10:35-10:45

10:45 COFFEE BREAK & EXHIBITION

11:15 **Ido Amit**

Weizmann Institute of Science, Israel

"The power of ONE: Immunology in the age of spatial and single cell genomics"

Q&A: 11:35-11:45

11:45 **Proffered Paper 3**

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

15:10 **Eytan Ruppin**

Center for Cancer Research, National Cancer Institute, USA

"Next generation precision oncology"

Q&A: 15:30-15:40

15:40 **Proffered Paper 4**

Q&A: 15:50-15:55

15:55 **Proffered Paper 5**

- 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**

Thursday 2nd May 2024

Listed times are in Central European Time (CET)

- 08:15 **EARLY POSTER VIEWING (WITH COFFEE & BISCUITS)**
- 08:45 **INDUSTRY SPOTLIGHT**
- SESSION 4: SINGLE CELL CANCER ANALYTICS**
- 09:00 **Sarah- Maria Fendt**
VIB-KU Leuven Centre for Cancer Biology, Belgium
"Metabolic rewiring driving metastasis formation"
- 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 6**
- 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