

Bioinformatics in Cancer Programme

Virtual Event, Worldwide

18 - 19 May 2021



Scientific Programme

Tuesday 18th May 2021

14:00 WELCOME TO DAY 1

SESSION 1

Chair: Núria López-Bigas

14:05 **Moritz Gerstung**

EMBL-EBI, United Kingdom

"Understanding cancer evolution with spatial genomics"

Q&A: 14:25 - 14:45

14:45 5-minute break

14:50 **Itay Tirosh**

Weizmann Institute of Science, Israel

"Single cell RNA-seq analysis of head and neck cancer"

Q&A: 15:10 - 15:30

15:30 BREAK

coffee & stretching

SESSION 2

Chair: Sohrab Shah

15:45 **Martin Taylor**

University of Edinburgh, United Kingdom

"Strand asymmetric repair and mutagenesis revealed by lesion segregation"

Q&A: 16:05-16:25

16:25 5-minute break

16:30 **Camelia Quek**

Melanoma Institute, Australia

Proffered Paper 1: Spatially resolved single-cell sequencing reveals unfavourable immune diversity and intratumoural vessels in resistance melanoma patients treated with checkpoint inhibitor immunotherapy

Q&A: 16:40 - 16:50

16:50 **Jannat Ijaz**

Wellcome Sanger Institute, UK

Proffered Paper 2: Reconstructing shattered chromosomes in oesophageal adenocarcinomas

Q&A: 17:00 - 17:10

17:10 5-minute break

17:15 **Christina Curtis**

Stanford University, USA

"Quantifying tumor evolution: from genomic insights to predictive modeling"

Q&A: 17:35 - 17:55

17:55 **POSTER SPOTLIGHTS**
3 top abstracts presented as 3 minute flash talks

18:05 **END OF DAY 1 SUMMARY**

18:10 **NETWORKING RECEPTION**

In the Gather online platform

An informal opportunity to browse the posters, meet our sponsors and make new connections. Bring your own drink to recreate the feel of an in-person EACR conference!

Wednesday 19th May 2021

12:30 **VIRTUAL POSTER DISCUSSION SESSION**

14:00 **WELCOME TO DAY 2**

SESSION 3

Chair: Martin Taylor

14:05 **Núria López-Bigas**

IRB Barcelona, Spain

"Computational analysis of cancer genomes"

Q&A: 14:25 - 14:45

14:45 5-minute break

14:50 **David Mas-Ponte**

IRB Barcelona, Spain

Proffered Paper 3: Mutation showers and mutation fog patterns arise via different APOBEC3 mechanisms in tumors

Q&A: 15:00 - 15:10

15:10 **Mariana Buongiorno Pereira**

Genomics England, UK

Proffered Paper 4: Utilising the output of the 100,000 Genomes Project in the Genomics England Research Environment as a resource for empowering scientific discovery in oncology and accelerating its translation to patient care

Q&A: 15:20 - 15:30

15:30 **BREAK**

coffee & stretching

SESSION 4

Chair: Christina Curtis

15:45 **Sohrab Shah**

MSKCC, USA

"Single cell whole genome sequencing to dissect mutational processes and clonal fitness in cancer"

Q&A: 16:05 - 16:25

16:25 5-minute break

16:30 **Elli Papaemmanuil**

MSKCC, USA

"Profiling of cancer genomes, to understand origins of malignant transformation, mechanisms of disease progression and response to treatment."

Q&A: 16:50 - 17:10

17:10 5-minute break

17:15 **DISCUSSION FORUM**

Francesca Chemi (Cancer Research UK Manchester Institute, UK), Elisa Mariella (Molecular Oncology Lab, Department of Oncology, University of Turin, Italy), Thomas Norman (MSKCC, USA), Alexia-Ileana Zaromytidou (Chief Editor, Nature Cancer, session Chair)

"Phase separation - experience of the wet/dry interface"

18:15 **END OF DAY 2 SUMMARY**